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Ohio Labor Market Information Review

January 1988

Summary. Ohio's seasonally adjusted unemployment rate increased from 6.2 percent in December to 6.5 percent in January. The national rate declined slightly, from 5.8 percent in December to 5.7 percent in January. Total employment in Ohio rose 46,000 workers to 4,983,000, a new all-time high. The number of unemployed Ohioans, at 347,000, was up 20,000 from December. Nonfarm wage and salary employment (seasonally adjusted) in Ohio advanced 17,000 from December, to 4,656,000 in January. (See page3.)

Factory Employment. Manufacturing employment in Ohio rose 3,000 from December, to 1,106,000 in January. Nondurable-goods employment, at 366,000, was up 2,000, while durable-goods employment increased 1,000, to 739,000.

Nonmanufacturing. Employment in Ohio's nonmanufacturing industries totaled 3,550,000 in January, up 14,000 from December. Construction and retail trade had the largest gains, 6,000 and 5,000, respectively. Employment in services increased 2,000. All other divisions had slight advances or were unchanged, except government, which fell 1,000.

Over the Year. From January 1987 to January 1988, total employment in Ohio rose 134,000. There were 80,000 fewer unemployed workers, which lowered the unemployment rate from 8.1 percent to 6.5 percent. During the same period, the U.S. unemployment rate declined from 6.7 percent to 5.7 percent. Nonagricultural payroll employment increased 124,000 from January 1987. Employment in services was up 45,000, while retail trade added 28,000 jobs. Construction gained 18,000; finance, insurance, and real estate, 9,000; and wholesale trade, 8,000. All other nonmanufacturing divisions were up slightly, except mining, which declined 2,000. Manufacturing employment rose 9,000 from January 1987. Nondurable-goods employment increased 10,000, while employment in durable-goods industries was down 1,000.

Factory Hours and Earnings. Factory production workers in Ohio's manufacturing divisions earned an average of $507.61 per week in January, down $5.06 from December. Their average workweek of 42.8 hours was .5 hours shorter. Most industries had lower earnings due to reduced overtime, although iron and steel foundries, blast furnace and basic steel products, electrical industrial apparatus, and tires and inner tubes had notably higher earnings. The most significant decreases were in metal forgings and stampings, metalworking machinery, motor vehicles and equipment, and preserved fruits and vegetables.

Benefits and Costs. There were 87,845 initial claims filed under the Ohio Unemployment Compensation Law in January, down 1.0 percent from December, and down 16.5 percent from January 1987. Total benefits paid, at $67.3 million, were up 26.7 percent from December. The average benefit check increased $2.07, to $153.48. The average weekly number of benefit

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Grace Kilbane, Acting Administrator

recipients rose 34.9 percent, to 101,593. At the end of January, there were 198,003 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services received 40,602 new job applicants in January, up 11.3 percent from December, but down 16.2 percent from January 1987. The number of job openings fell 5.9 percent, to 8,399. The Employment Services Division made 20,091 job referrals and 3,603 placements.

Revisions

The Civilian Labor Force series has been revised by the U.S. Bureau of Labor Statistics to reflect adjusted population estimates from the Bureau of the Census.

The Nonagricultural Wage and Salary Employment for 1986 and 1987 have been revised to the 1987 benchmark, a complete count of employment by industry.

1988 Seasonal Adjustment Factors

Month	Manufacturing		Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, and Real Estate	Services	Government
	Durable Goods	Nondurable Goods								
January	0.992	0.989	0.987	0.856	0.978	0.990	0.979	0.990	0.975	1.006
February	0.993	0.988	0.970	0.826	0.977	0.989	0.964	0.990	0.979	1.017
March	0.996	0.989	0.968	0.860	0.982	0.992	0.969	0.991	0.984	1.022
April	1.001	0.993	0.977	0.938	0.993	0.998	0.988	0.995	1.001	1.019
May	1.003	0.997	0.990	1.007	1.002	1.003	1.002	0.999	1.009	1.025
June	1.007	1.004	1.010	1.050	1.009	1.008	1.008	1.009	1.016	0.999
July	1.001	1.002	1.022	1.093	1.008	1.006	1.007	1.013	1.013	0.942
August	0.999	1.010	1.015	1.111	1.009	1.005	1.010	1.011	1.011	0.932
September	1.007	1.017	1.019	1.104	1.010	1.002	1.011	1.004	1.013	0.980
October	1.001	1.006	1.015	1.106	1.013	1.004	1.009	1.000	1.006	1.013
November	1.003	1.003	1.018	1.059	1.010	1.002	1.020	0.999	0.999	1.022
December	1.000	1.002	1.009	0.991	1.009	1.001	1.034	0.999	0.993	1.023

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jan. 1988	Dec. 1987	Jan. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,330	5,264	5,276	66	54	1.3	1.0
Employment	4,983	4,937	4,849	46	134	0.9	2.8
Unemployment	347	327	427	20	-80	6.1	-18.7
Unemployment Rate	6.5	6.2	8.1				
Employer Survey Data[e]							
Total	4,656	4,639	4,532	17	124	0.4	2.7
Manufacturing	1,106	1,103	1,096	3	9	0.3	0.8
Durable Goods	739	739	740	1	-1	0.1	-0.1
Nondurable Goods	366	364	356	2	10	0.6	2.8
Nonmanufacturing	3,550	3,536	3,436	14	115	0.4	3.3
Mining	20	20	22	0	-2	-1.0	-7.0
Construction	191	185	173	6	18	3.3	10.5
Transportation and Public Utilities	208	208	206	0	1	-0.1	0.7
Wholesale Trade	253	253	245	1	8	0.3	3.5
Retail Trade	864	859	836	5	28	0.6	3.3
Finance, Insurance, and Real Estate	248	247	239	1	9	0.5	3.9
Services	1,075	1,072	1,029	2	45	0.2	4.4
Government	692	693	686	-1	5	-0.2	0.8
Goods Producing Industries[f]	1,316	1,308	1,291	9	26	0.7	2.0
Service Producing Industries[g]	3,339	3,331	3,241	8	98	0.2	3.0

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
					1986
5,205	4,752	453	8.7	6.8	January
5,313	4,864	449	8.5	7.2	February
5,305	4,900	405	7.6	7.2	March
5,243	4,816	427	8.1	7.1	April
5,180	4,773	407	7.9	7.2	May
5,197	4,746	451	8.7	7.1	June
5,200	4,777	423	8.1	7.0	July
5,194	4,773	421	8.1	6.8	August
5,174	4,737	437	8.4	7.0	September
5,230	4,813	417	8.0	6.9	October
5,265	4,868	397	7.5	6.9	November
5,275	4,854	421	8.0	6.7	December
					1987
5,276	4,849	427	8.1	6.7	January
5,295	4,850	445	8.4	6.6	February
5,237	4,838	399	7.6	6.5	March
5,236	4,854	382	7.3	6.3	April
5,277	4,884	393	7.4	6.3	May
5,251	4,874	377	7.2	6.1	June
5,252	4,886	366	7.0	6.0	July
5,234	4,873	361	6.9	6.0	August
5,181	4,891	290	5.6	5.9	September
5,215	4,900	315	6.0	6.0	October
5,263	4,945	318	6.0	5.9	November
5,264	4,937	327	6.2	5.8	December
					1988
5,330	4,983	347	6.5	5.7	January

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

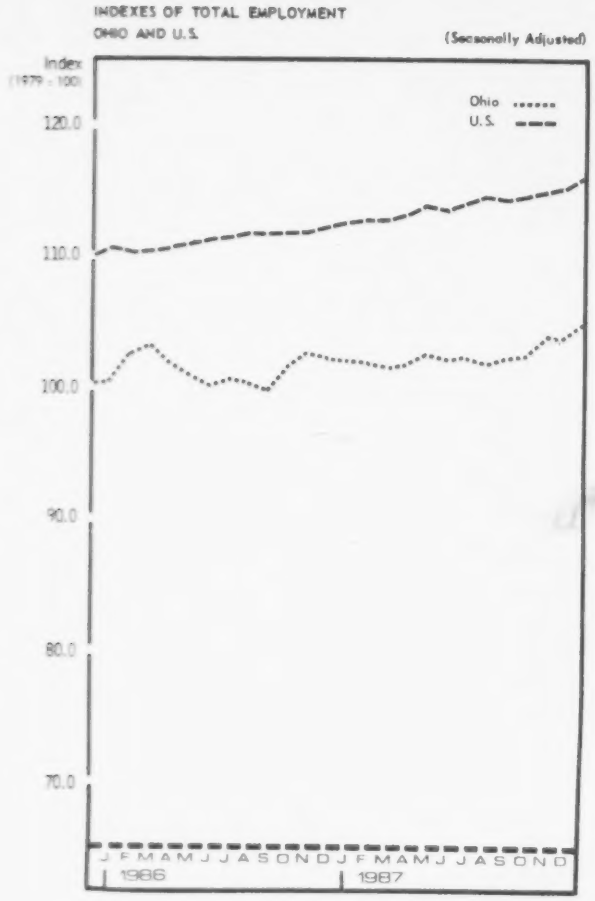
Total Nonagricultural	Manufacturing			
		Durable	Nondurable	
				1986
4,433	1,124	766	358	January
4,435	1,120	763	357	February
4,437	1,117	760	356	March
4,458	1,117	760	357	April
4,463	1,112	755	356	May
4,464	1,112	755	357	June
4,472	1,108	751	357	July
4,481	1,107	750	357	August
4,484	1,098	742	356	September
4,495	1,098	740	358	October
4,509	1,102	744	358	November
4,521	1,103	745	357	December
				1987
4,532	1,096	740	356	January
4,549	1,099	742	357	February
4,552	1,093	737	356	March
4,552	1,096	738	357	April
4,560	1,094	736	357	May
4,568	1,092	735	357	June
4,567	1,082	725	358	July
4,589	1,095	734	360	August
4,597	1,097	737	360	September
4,610	1,097	736	361	October
4,626	1,100	738	362	November
4,639	1,103	739	364	December
				1988
4,656	1,106	739	366	January

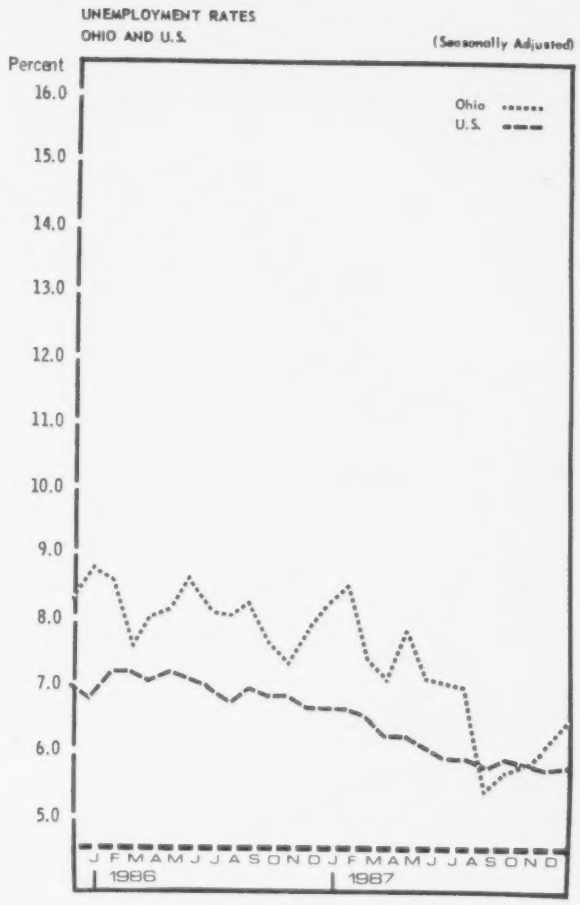
Ohio Nonmanufacturing Wage & Salary Employment

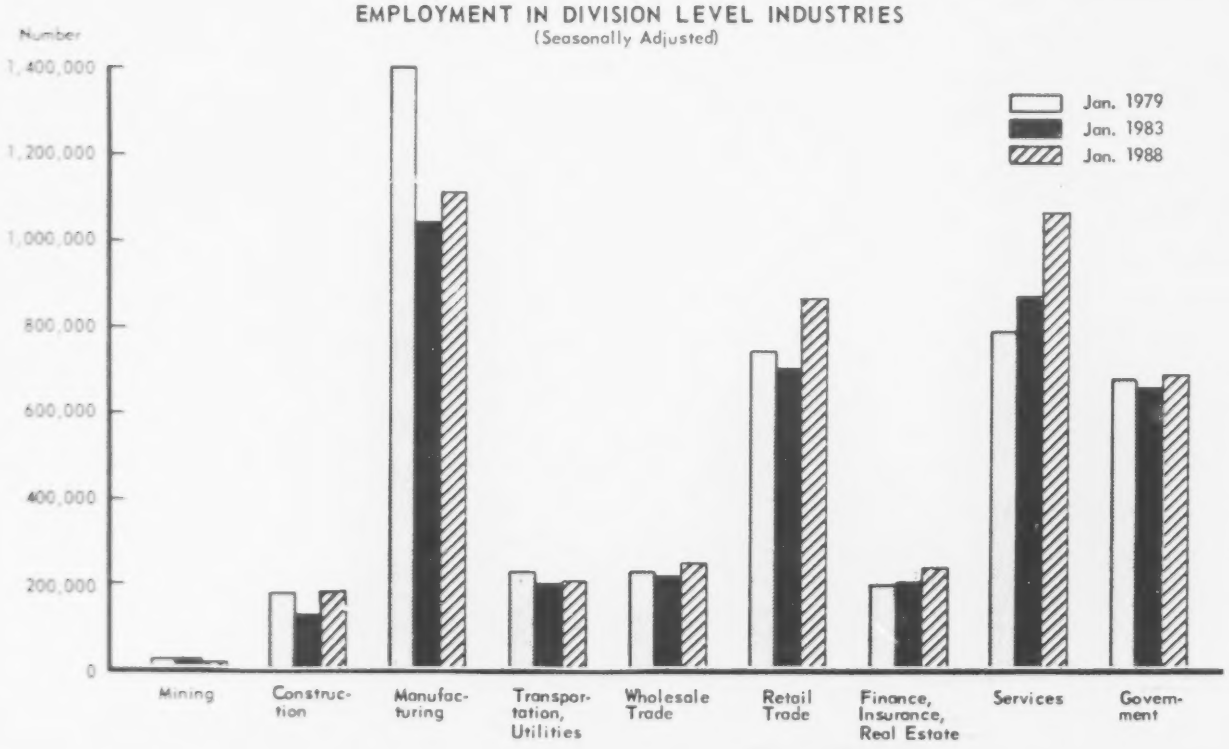
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1986				
3,310	25	157	203	245	January	806	225	974	675
3,314	25	156	202	245	February	808	226	977	676
3,320	24	156	202	244	March	810	227	981	676
3,342	23	161	203	244	April	813	229	990	677
3,351	23	161	203	244	May	815	231	996	679
3,352	22	160	198	244	June	818	232	998	679
3,364	22	160	204	244	July	820	233	1006	676
3,374	22	161	204	244	August	823	234	1009	678
3,385	21	161	204	244	September	825	235	1012	683
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	692

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review


INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)
Index
(1979 - 100)
120.0
110.0
100.0
90.0
80.0
70.0
Ohio
U.S.
J F M A M J J A S O N D J F M A M J J A S O N D
1986
1987


UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)
Percent
16.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
Ohio
U.S.
J F M A M J J A S O N D J F M A M J J A S O N D
1986
1987


EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)
Number
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Jan. 1979
Jan. 1983
Jan. 1988
Mining
Construction
Manufacturing
Transportation, Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate			
Total	Employed	Unemployed	Ohio	U.S.		
4,833	4,520	312	6.5	7.1	1977	
4,959	4,690	268	5.4	6.1	1978	
5,059	4,760	299	5.9	5.8	1979	
5,089	4,663	426	8.4	7.1	1980	
5,100	4,608	492	9.6	7.6	1981	
5,114	4,474	640	12.5	9.7	1982	
5,099	4,478	621	12.2	9.6	1983	
5,089	4,609	480	9.4	7.5	1984	
5,135	4,680	455	8.9	7.2	1985	
5,231	4,806	425	8.1	7.0	1986	
5,248	4,881	367	7.0	6.2	1987	
					1987	
5,200	4,748	452	8.7	7.3	January	
5,211	4,738	473	9.1	7.2	February	
5,161	4,756	406	7.9	6.9	March	
5,215	4,847	368	7.1	6.2	April	
5,275	4,903	372	7.1	6.1	May	
5,307	4,922	385	7.3	6.3	June	
5,341	4,982	359	6.7	6.1	July	
5,289	4,924	365	6.9	5.8	August	
5,190	4,903	288	5.5	5.7	September	
5,243	4,940	302	5.8	5.7	October	
5,285	4,980	305	5.8	5.6	November	
5,259	4,937	322	6.1	5.4	December	
					1988	
5,258	4,883	375	7.1	6.3	January	

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural	Manufacturing		
		Durable	Nondurable
4,230.1	1,344.1	945.2	398.9
4,394.9	1,377.2	974.5	402.7
4,484.8	1,382.3	980.5	401.8
4,367.4	1,264.3	882.6	381.8
4,317.7	1,232.6	860.4	372.2
4,124.3	1,099.9	752.4	347.5
4,092.5	1,066.0	723.6	342.4
4,260.2	1,127.0	773.4	353.6
4,372.9	1,124.3	768.7	355.5
4,471.4	1,109.8	752.7	357.1
4,578.9	1,095.3	736.4	358.9
4,447.6	1,086.5	734.3	352.2
4,457.9	1,088.3	736.1	352.2
4,485.0	1,086.6	733.8	352.7
4,539.2	1,093.1	738.4	354.6
4,591.6	1,094.9	738.7	356.2
4,611.6	1,097.6	739.1	358.5
4,572.3	1,084.3	725.5	358.8
4,591.0	1,097.5	733.6	363.9
4,641.3	1,108.3	742.1	366.2
4,658.8	1,099.8	736.4	363.4
4,674.2	1,103.7	740.2	363.6
4,676.9	1,102.9	738.6	364.3
4,567.6	1,095.6	733.5	362.1

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	1987	847.7	243.1	1,051.2	688.1
					1987				
3,361.1	21.4	147.5	201.7	242.4	January	818.5	236.6	1,003.5	689.5
3,369.6	21.1	143.9	201.7	243.0	February	811.7	237.5	1,013.5	697.2
3,398.4	20.7	150.4	202.5	244.1	March	818.6	238.5	1,021.8	701.9
3,446.2	20.7	162.2	204.8	246.2	April	830.8	240.0	1,041.3	700.2
3,496.7	20.7	175.4	207.0	248.2	May	845.8	241.8	1,053.7	704.2
3,514.0	21.1	184.4	208.5	250.4	June	851.5	244.7	1,065.9	687.5
3,488.0	21.1	192.7	208.6	250.6	July	852.8	246.8	1,068.2	647.1
3,493.5	21.1	196.8	209.1	251.1	August	858.1	247.2	1,068.6	641.4
3,533.0	21.4	196.4	209.3	251.2	September	861.1	246.1	1,074.7	672.7
3,559.0	20.7	198.6	210.0	252.4	October	862.3	245.7	1,070.4	698.9
3,570.4	20.8	192.7	209.6	252.2	November	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	December	887.8	246.7	1,064.7	708.9
					1988				
3,472.0	19.9	163.2	203.0	250.8	January	845.8	245.7	1,047.8	695.7

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio[a]

Manufacturing Employment
(in thousands)

Manufacturing				**Production Workers in Manufacturing**		
	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,086.5	734.3	352.2	January	739.7	371.8	31.6
1,088.3	736.1	352.2	February	741.9	370.2	31.5
1,086.6	733.8	352.7	March	741.0	369.4	31.5
1,093.1	738.4	354.6	April	746.8	368.2	31.4
1,094.9	738.7	356.2	May	747.3	371.9	31.8
1,097.6	739.1	358.5	June	748.3	373.0	31.9
1,084.3	725.5	358.8	July	735.3	356.7	30.8
1,097.5	733.6	363.9	August	749.2	368.9	31.7
1,108.3	742.1	366.2	September	760.8	380.5	32.4
1,099.8	736.4	363.4	October	753.7	380.3	32.3
1,103.7	740.2	363.6	November	759.0	388.2	32.8
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,095.6	733.5	362.1	January	751.2	381.3	32.2

Production Workers Average Weekly Earnings

Manufacturing				**Production Workers Average Weekly Hours**				**Production Workers Average Hourly Earnings**			
	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods	
283.08	292.02	258.34	1977	42.0	42.2	41.4	1977	6.74	6.92	6.24	1977
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73	1978
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25	1979
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96	1980
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80	1981
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38	1982
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77	1983
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02	1984
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31	1985
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57	1986
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86	1987
			1987				1987				
502.58	524.96	449.53	January	42.7	43.1	41.7	January	11.77	12.18	10.78	January
499.05	520.88	446.71	February	42.4	42.8	41.4	February	11.77	12.17	10.79	February
498.53	519.95	448.86	March	42.5	42.9	41.6	March	11.73	12.12	10.79	March
492.99	514.25	443.72	April	42.1	42.5	41.2	April	11.71	12.10	10.77	April
497.68	517.45	450.78	May	42.5	42.8	41.7	May	11.71	12.09	10.81	May
498.42	517.37	453.95	June	42.6	42.9	41.8	June	11.70	12.06	10.86	June
485.20	501.76	450.02	July	41.9	42.2	41.4	July	11.58	11.89	10.87	July
492.37	510.00	453.36	August	42.3	42.5	41.9	August	11.64	12.00	10.82	August
500.12	516.67	461.92	September	42.6	42.7	42.3	September	11.74	12.10	10.92	September
504.50	524.02	461.07	October	42.9	43.2	42.3	October	11.76	12.13	10.90	October
511.49	531.57	466.90	November	43.2	43.5	42.6	November	11.84	12.22	10.96	November
512.67	532.36	469.27	December	43.3	43.6	42.7	December	11.84	12.21	10.99	December
			1988				1988				
507.61	527.11	465.72	January	42.8	43.1	42.3	January	11.86	12.23	11.01	January

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

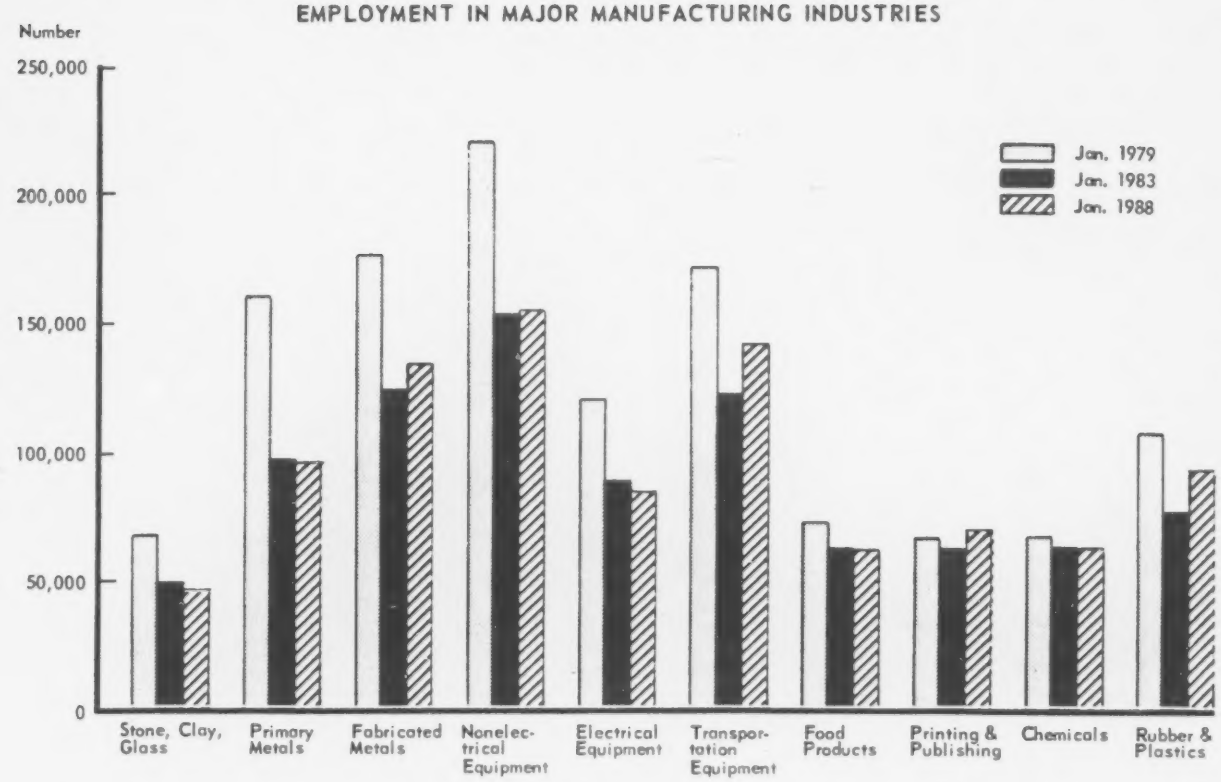
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
47.1	92.4	132.8	January	154.6	88.1	151.1	January	61.8	68.8	92.7
46.9	93.7	132.4	February	153.8	87.7	153.3	February	61.3	68.9	92.5
47.3	94.8	132.7	March	153.7	86.8	149.2	March	61.7	68.8	92.2
47.7	94.8	133.0	April	154.3	86.0	152.6	April	61.8	69.5	92.1
48.1	94.3	133.2	May	155.0	85.9	151.8	May	62.2	69.7	92.1
48.7	95.0	134.4	June	155.7	85.8	148.5	June	62.9	69.8	92.5
48.1	93.5	131.6	July	153.4	85.9	142.1	July	63.4	70.6	91.6
48.5	95.3	132.8	August	153.8	85.4	145.6	August	67.1	70.9	92.4
48.5	97.2	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.2	133.9	January	154.7	86.0	143.3	January	63.0	71.2	94.4

Average Weekly Earnings of Production Workers

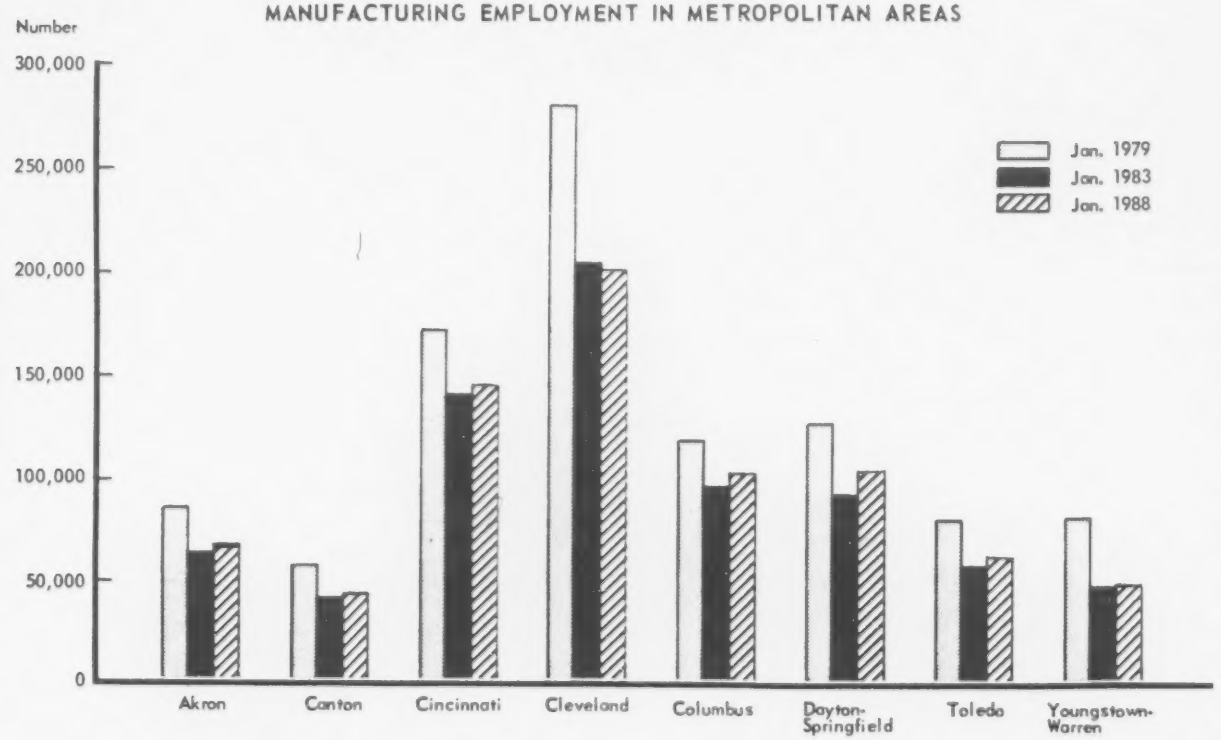
253.95	329.54	290.44	1977	279.18	248.44	359.20	1977	258.54	271.96	263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
441.31	593.61	515.91	January	498.53	473.61	647.91	January	438.46	416.96	443.59
440.67	590.46	510.27	February	499.80	457.47	646.46	February	435.77	420.53	433.82
449.35	587.80	506.75	March	506.32	463.29	640.46	March	436.60	415.56	438.35
447.68	595.35	491.82	April	495.33	461.61	630.08	April	430.56	414.02	431.38
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
446.42	620.58	505.68	January	503.53	478.93	648.68	January	455.18	439.82	449.71

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	4567.6	4676.9	4447.6	- 109.2	120.0
MANUFACTURING	1095.6	1102.9	1086.5	- 7.3	9.2
Durable Goods[e]	733.5	738.6	734.3	- 5.1	- .7
Lumber and wood products	19.5	20.0	17.8	- .5	1.8
Furniture and fixtures	14.4	14.5	14.1	- .2	.3
Stone, clay, and glass products	46.8	48.1	47.1	- 1.4	- .3
Glass and glassware, pressed or blown.	9.4	9.6	10.5	- .3	- 1.1
Primary metal industries	97.2	98.0	92.4	- .7	4.8
Blast furnace and basic steel products	44.6	44.4	41.0	.2	3.5
Iron and steel foundries	20.5	21.1	19.5	- .5	1.1
Nonferrous rolling and drawing	16.7	17.1	16.8	- .4	.0
Fabricated metal products	133.9	134.8	132.8	- .9	1.1
Cutlery, hand tools, and hardware	9.8	9.9	9.7	- .1	.2
Fabricated structural metal products	29.2	29.2	28.4	.0	.8
Metal forgings and stampings	42.3	42.6	42.9	- .3	- .5
Machinery, except electrical	154.7	155.1	154.6	- .4	.1
Construction and related machinery	12.5	12.4	12.5	.1	.0
Metalworking machinery	39.6	39.8	40.3	- .2	- .7
Special industry machinery	16.3	16.6	16.1	- .3	.2
General industrial machinery	27.5	27.8	28.0	- .3	- .5
Office and computing machines	13.8	13.7	13.4	.1	.4
Refrigeration and service machinery	15.6	15.6	16.2	.0	- .6
Electric and electronic equipment	86.0	86.3	88.1	- .3	- 2.1
Electrical industrial apparatus	16.1	16.1	16.0	.0	.1
Household appliances	15.6	15.9	17.2	- .3	- 1.6
Electric lighting and wiring equipment	17.2	17.1	17.5	.2	- .3
Communication equipment	10.0	10.1	10.5	- .1	- .5
Transportation equipment	143.3	144.2	151.1	- 1.0	- 7.8
Motor vehicles and equipment	93.2	94.0	94.8	- .8	- 1.6
Aircraft and parts	40.8	40.7	47.0	.1	- 6.2
Instruments and related products	23.6	23.6	22.8	.1	.8
Measuring and controlling devices	13.1	13.1	12.6	.0	.5
Nondurable Goods[f]	362.1	364.3	352.2	- 2.2	9.9
Food and kindred products	63.0	63.8	61.8	- .7	1.2
Meat products	9.6	9.7	9.5	- .1	.0
Dairy products	10.7	10.7	9.9	.1	.8
Preserved fruits and vegetables	10.6	10.8	10.6	- .2	.0
Bakery products	8.9	9.0	8.7	- .1	.2
Beverages	9.3	9.4	9.4	- .1	- .1
Apparel and other textile products	16.2	16.2	15.4	.0	.8
Paper and allied products	37.6	38.0	36.4	- .4	1.2
Misc. converted paper products	12.1	12.3	11.8	- .2	.3
Paperboard containers and boxes	13.3	13.2	12.3	.1	.9
Printing and publishing	71.2	71.7	68.8	- .5	2.5
Newspapers	19.4	19.8	19.3	- .4	.1
Commercial printing	26.3	26.5	25.6	- .2	.7
Chemicals and allied products	63.1	63.4	61.1	- .3	2.1
Industrial inorganic chemicals	9.4	9.4	9.3	.0	.1
Rubber and misc. plastics products	94.4	94.5	92.7	- .2	1.6
Tires and inner tubes	16.9	16.8	17.9	.0	- 1.0
Miscellaneous plastics products	56.6	56.9	54.5	- .3	2.1

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3472.0	3573.9	3361.1	- 101.9	110.9
MINING	19.9	20.5	21.4	- .6	- 1.5
Bituminous coal and lignite mining	8.6	8.7	9.7	- .1	- 1.0
Oil and gas extraction	7.0	7.0	7.5	.0	- .5
CONSTRUCTION	163.2	182.9	147.5	- 19.7	15.7
General building contractors	42.5	46.1	39.2	- 3.6	3.2
Heavy construction contractors	17.5	22.2	15.1	- 4.7	2.4
Highway and street construction	6.3	8.9	4.9	- 2.6	1.5
Special trade contractors	103.2	114.6	93.1	- 11.4	10.1
TRANSPORTATION AND PUBLIC UTILITIES	203.0	209.6	201.7	- 6.6	1.3
Railroad transportation	12.8	13.3	13.8	- .5	- 1.1
Transportation, except railroads	101.5	107.0	98.0	- 5.5	3.6
Trucking and warehousing	70.7	75.2	68.7	- 4.5	2.0
Communication, electric, gas services	88.7	89.3	89.9	- .6	- 1.2
Communication	47.5	47.6	48.3	- .1	- .8
Electric, gas, and sanitary services	41.2	41.8	41.6	- .5	- .4
WHOLESALE TRADE	250.8	252.8	242.4	- 2.0	8.4
Wholesale trade-durable goods	157.8	158.9	152.3	- 1.1	5.4
Motor vehicles & automotive equipment	21.9	22.0	21.3	- .1	.6
Electrical goods	19.6	19.8	19.2	- .2	.4
Machinery, equipment, and supplies	67.6	67.7	65.8	- .1	1.9
Wholesale trade-nondurable goods	93.0	93.9	90.1	- .8	3.0
Groceries and related products	29.2	29.6	28.3	- .4	.9
RETAIL TRADE	845.8	887.8	818.5	- 42.0	27.3
General merchandise stores	121.6	134.9	120.1	- 13.3	1.5
Department stores	106.3	118.1	105.6	- 11.8	.7
Food stores	131.3	135.2	128.2	- 3.8	3.2
Automotive dealers & service stations	93.3	93.7	90.3	- .3	3.0
Apparel and accessory stores	43.4	46.7	41.4	- 3.2	2.0
Eating and drinking places	288.2	300.2	280.1	- 12.0	8.1
FINANCE, INSURANCE, AND REAL ESTATE	245.7	246.7	236.6	- 1.0	9.1
Banking	63.7	63.6	62.3	.1	1.4
Credit agencies other than banks	37.7	37.8	36.4	- .1	1.2
Insurance carriers	68.5	68.8	66.7	- .4	1.7
Life insurance	25.6	25.9	25.7	- .3	- .1
Fire, marine, and casualty insurance	30.2	30.5	29.1	- .3	1.1
SERVICES	1047.8	1064.7	1003.5	- 16.9	44.3
Hotels and other lodging places	32.7	33.9	31.8	- 1.2	.9
Personal services	58.7	57.3	56.4	1.3	2.2
Laundry, cleaning, & garment services	18.7	19.2	18.2	- .5	.6
Business services	211.0	216.7	198.9	- 5.7	12.1
Services to buildings	29.7	30.1	28.3	- .4	1.4
Computer and data processing services	19.8	19.5	18.7	.3	1.2
Amusement and recreation services	28.7	33.8	28.1	- 5.1	.6
Health services	365.4	365.8	351.8	- .4	13.6
Nursing and personal care facilities	80.6	80.8	77.3	- .2	3.3
Hospitals	178.3	178.4	173.4	- .1	4.9
Educational services	62.0	63.8	61.6	- 1.8	.4
Colleges and universities	32.9	34.4	33.7	- 1.5	- .8
GOVERNMENT	695.7	708.9	689.5	- 13.2	6.2
Federal government	95.2	95.9	94.3	- .7	.9
State government	156.8	162.0	153.5	- 5.2	3.3
State government education[1]	83.0	88.7	80.5	- 5.7	2.5
State government, except education	73.8	73.3	73.0	.5	.7
Local government	443.7	451.0	441.7	- 7.3	2.0
Local government education	261.4	267.2	260.2	- 5.7	1.2
Local government, except education	182.3	183.9	181.5	- 1.6	.8

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$507.61	$512.67	$502.58	42.8	43.3	42.7	$11.86	$11.84	$11.77
Durable Goods[e]	527.11	532.36	524.96	43.1	43.6	43.1	12.23	12.21	12.18
Lumber and wood products	288.80	300.03	286.72	39.4	41.1	40.1	7.33	7.30	7.15
Furniture and fixtures	362.30	373.75	349.61	40.8	41.9	40.7	8.88	8.92	8.59
Stone, clay, and glass products	446.42	451.76	441.31	41.8	42.3	40.9	10.68	10.68	10.79
Glass and glassware, pressed or blown.	467.53	460.12	466.22	40.2	39.7	40.4	11.63	11.59	11.54
Primary metal industries	620.58	611.52	593.61	45.1	44.8	44.2	13.76	13.65	13.43
Blast furnace and basic steel products	654.22	648.17	615.03	46.3	46.1	44.6	14.13	14.06	13.79
Iron and steel foundries	655.34	614.68	635.21	45.7	44.0	45.6	14.34	13.97	13.93
Nonferrous rolling and drawing	610.63	606.11	582.83	42.2	41.6	41.9	14.47	14.57	13.91
Fabricated metal products	505.68	514.65	515.91	43.0	43.8	43.1	11.76	11.75	11.97
Cutlery, hand tools, and hardware	475.57	494.36	472.02	40.2	41.3	39.9	11.83	11.97	11.83
Fabricated structural metal products	473.90	480.90	441.42	43.2	44.2	42.0	10.97	10.88	10.51
Metal forgings and stampings	596.31	618.55	673.35	42.9	44.5	45.9	13.90	13.90	14.67
Machinery, except electrical	503.53	520.68	498.53	43.0	44.2	42.5	11.71	11.78	11.73
Construction and related machinery	425.52	434.52	414.10	41.8	42.6	41.0	10.18	10.20	10.10
Metalworking machinery	497.48	519.38	468.00	43.6	45.4	42.2	11.41	11.44	11.09
Special industry machinery	499.76	513.88	460.22	43.8	44.3	41.8	11.41	11.60	11.01
General industrial machinery	520.02	535.76	507.95	42.8	43.7	42.4	12.15	12.26	11.98
Office and computing machines	424.42	456.62	383.51	42.4	45.3	40.2	10.01	10.08	9.54
Refrigeration and service machinery	566.82	557.53	611.59	42.3	41.7	43.1	13.40	13.37	14.19
Electric and electronic equipment	478.93	476.27	473.61	42.8	42.6	42.4	11.19	11.18	11.17
Electrical industrial apparatus	489.95	472.81	453.84	44.5	43.1	42.1	11.01	10.97	10.78
Household appliances	498.83	485.62	506.11	41.5	40.3	43.0	12.02	12.05	11.77
Electric lighting and wiring equipment	486.69	484.70	501.17	43.3	43.2	42.4	11.24	11.22	11.82
Communication equipment	485.28	488.22	459.82	41.3	41.8	40.3	11.75	11.68	11.41
Transportation equipment	648.68	656.37	647.91	43.8	44.2	44.9	14.81	14.85	14.43
Motor vehicles and equipment	667.51	672.53	677.24	43.8	44.1	45.3	15.24	15.25	14.95
Aircraft and parts	628.34	639.86	586.09	45.4	46.0	44.2	13.84	13.91	13.26
Instruments and related products	361.43	376.18	375.15	39.5	40.8	41.0	9.15	9.22	9.15
Measuring and controlling devices	352.36	355.89	374.46	38.3	38.6	39.5	9.20	9.22	9.48
Nondurable Goods[f]	465.72	469.27	449.53	42.3	42.7	41.7	11.01	10.99	10.78
Food and kindred products	455.18	455.80	438.46	42.7	43.0	42.2	10.66	10.60	10.39
Meat products	388.32	387.61	384.09	41.8	41.5	41.3	9.29	9.34	9.30
Dairy products	478.95	480.91	458.77	43.7	43.6	42.4	10.96	11.03	10.82
Preserved fruits and vegetables	439.11	480.26	457.68	41.0	43.7	43.3	10.71	10.99	10.57
Bakery products	474.73	469.54	457.85	40.3	40.2	38.9	11.78	11.68	11.77
Beverages	424.44	431.96	392.80	40.5	41.1	40.0	10.48	10.51	9.82
Apparel and other textile products	299.12	307.53	273.80	39.1	40.2	37.0	7.65	7.65	7.40
Paper and allied products	499.74	490.60	503.10	44.5	44.0	45.0	11.23	11.15	11.18
Misc. converted paper products	443.39	440.22	485.10	43.3	43.5	46.2	10.24	10.12	10.50
Paperboard containers and boxes	442.98	428.28	428.13	43.6	42.7	42.6	10.16	10.03	10.05
Printing and publishing	439.82	450.64	416.96	39.2	40.2	38.5	11.22	11.21	10.83
Newspapers	357.65	364.23	343.40	33.9	34.2	33.7	10.55	10.65	10.19
Commercial printing	440.88	451.61	408.72	40.3	41.7	39.3	10.94	10.83	10.40
Chemicals and allied products	553.40	565.87	523.75	42.8	43.9	41.9	12.93	12.89	12.50
Industrial inorganic chemicals	597.96	624.72	550.33	44.0	45.5	41.1	13.59	13.73	13.39
Rubber and misc. plastics products	449.71	451.44	443.59	43.2	43.2	42.9	10.41	10.45	10.34
Tires and inner tubes	686.80	651.32	646.81	47.3	45.9	46.6	14.52	14.19	13.88
Miscellaneous plastics products	427.70	432.98	428.71	42.6	42.7	42.7	10.04	10.14	10.04

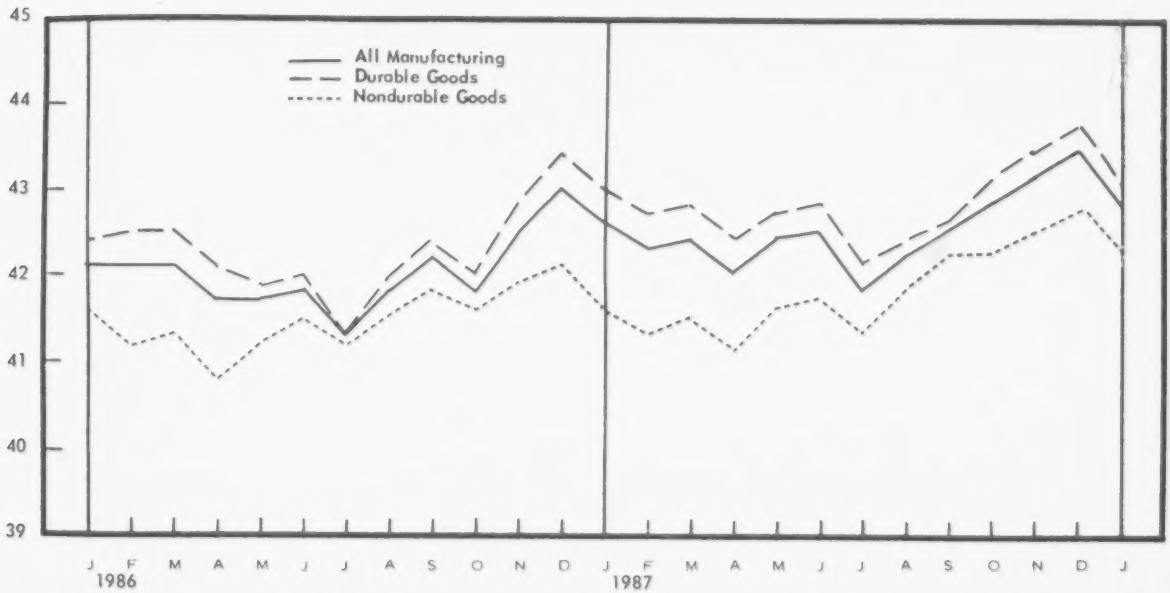
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

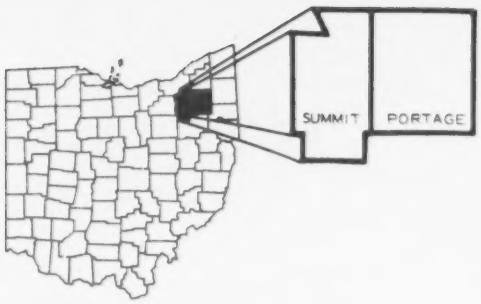
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MINING	$557.66	$535.82	$546.69	44.4	42.9	43.7	$12.56	$12.49	$12.51
Bituminous coal and lignite mining	685.70	658.60	650.16	44.7	42.6	42.0	15.34	15.46	15.48
CONSTRUCTION	558.00	574.81	561.41	37.2	38.5	38.4	15.00	14.93	14.62
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	562.22	562.78	535.30	40.8	40.9	40.4	13.78	13.76	13.25
Communication	535.71	544.05	525.20	39.8	40.3	40.0	13.46	13.50	13.13
Electric, gas, and sanitary services	592.47	586.30	548.47	41.9	41.7	40.9	14.14	14.06	13.41
WHOLESALE TRADE	381.03	385.13	368.32	39.0	39.5	39.1	9.77	9.75	9.42
Wholesale trade-durable goods	374.58	379.14	365.10	39.1	39.7	39.3	9.58	9.55	9.29
Wholesale trade-nondurable goods	392.89	396.54	373.07	38.9	39.3	38.7	10.10	10.09	9.64
RETAIL TRADE[h]	160.68	167.04	155.96	27.8	29.0	28.0	5.78	5.76	5.57
General merchandise stores	167.82	182.95	169.62	27.2	29.7	28.7	6.17	6.16	5.91
Department stores	172.62	187.41	174.46	27.4	29.7	28.6	6.30	6.31	6.10
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	262.03	261.35	257.28	....	....	....	.....	.....	.....
Credit agencies other than banks	257.91	257.91	247.27	....	....	....	.....	.....	.....
Insurance carriers	362.85	358.09	343.67	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	334.89	333.94	324.36	32.8	32.9	33.2	10.21	10.15	9.77

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



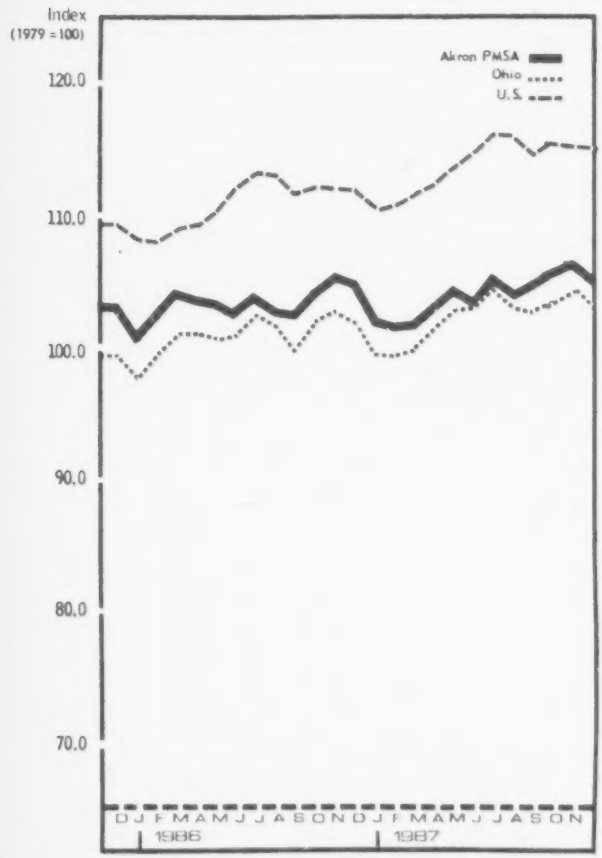
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



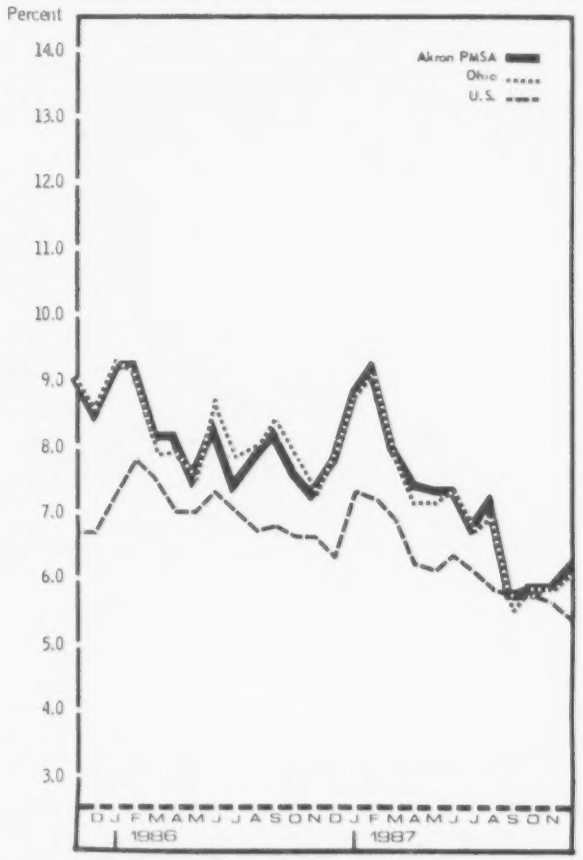
Nonfarm wage and salary employment in the Akron area for the month of January totaled 263,900, a decline of 7,900 from December. Nonmanufacturing industries lost 7,500 jobs, due primarily to seasonal decreases in retail trade, state government education, services, and construction. A reduction in fabricated metal products contributed to a decrease of 500 manufacturing employees. Manufacturing production workers averaged a 43.2-hour workweek, down 1.0 hour from December. Their average earnings of $11.34 per hour were $.06 lower.

Nonagricultural wage and salary employment registered an improvement of 5,000 since January 1987, due to advancements within nonmanufacturing industries. Primary growth sectors were services, especially health and business services, state and local government education, and retail trade. Manufacturing employment fell 200 over the year, as declines in tires and inner tubes and fabricated metal products negated gains in nonelectrical machinery and food and kindred products.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



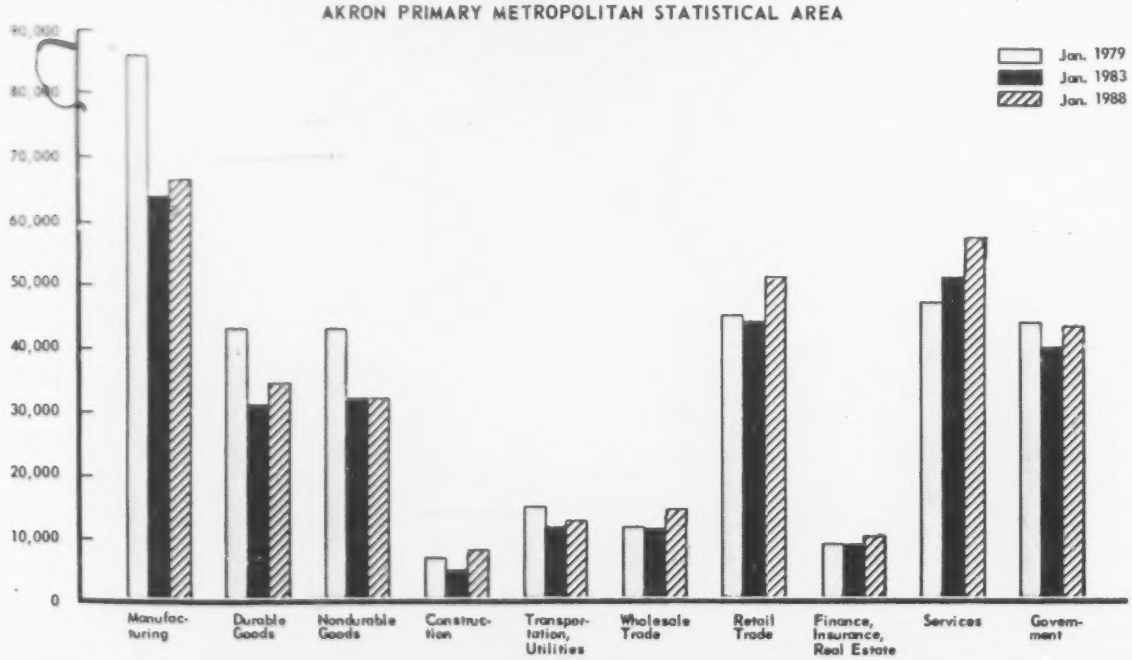
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5*	293.9*	25.6*	8.0*	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1986						
322.9*	297.8*	25.2*	7.8*	December	267.0	67.0	36.3	498.08	43.5	11.45
				1987						
319.5	291.3	28.1	8.8	January	258.9	66.7	36.2	489.62	43.1	11.36
320.2	290.9	29.3	9.1	February	259.6	66.3	36.0	487.05	42.5	11.46
315.3	290.2	25.1	8.0	March	260.1	66.0	35.9	483.64	42.8	11.30
318.2	294.7	23.5	7.4	April	262.6	66.1	35.7	483.75	43.0	11.25
321.7	298.3	23.5	7.3	May	265.9	66.1	35.7	487.19	43.0	11.33
318.1	294.9	23.1	7.3	June	262.1	66.3	35.8	488.32	43.1	11.33
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
INA	INA	INA	INA	January	263.9	66.5	36.3	489.89	43.2	11.34

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	263.9	271.9	258.9	- 7.9	5.0
MANUFACTURING	66.5	67.0	66.7	- .5	- .2
Durable Goods[e]	34.2	34.7	34.2	- .5	.0
Fabricated metal products	11.4	11.8	11.8	- .4	- .4
Machinery, except electrical	9.5	9.5	9.2	.0	.4
Metalworking machinery	3.4	3.4	3.1	.0	.3
Nondurable Goods[f]	32.3	32.3	32.5	.0	- .2
Food and kindred products	3.1	3.1	2.9	.0	.2
Chemicals and allied products	3.0	3.1	2.9	- .1	.1
Rubber and misc. plastics products	20.8	20.7	21.4	.1	- .6
Tires and inner tubes	12.7	12.6	13.7	.0	- 1.0
NONMANUFACTURING[g]	197.4	204.9	192.3	- 7.5	5.2
CONSTRUCTION	7.8	8.9	7.5	- 1.1	.3
TRANSPORTATION AND PUBLIC UTILITIES	12.7	13.1	12.8	- .4	- .1
Communication, electric, gas services	5.3	5.3	5.4	.0	- .1
WHOLESALE TRADE	14.1	14.1	13.6	.0	.5
RETAIL TRADE	51.2	53.8	50.5	- 2.6	.7
General merchandise stores	6.4	7.2	6.7	- .8	- .3
FINANCE, INSURANCE, AND REAL ESTATE	10.6	10.6	10.3	.0	.3
Banking	3.1	3.1	3.1	.0	.0
SERVICES	57.2	58.8	54.4	- 1.5	2.8
Business services	11.0	11.7	10.4	- .7	.7
Amusement and recreation services	2.7	3.1	2.4	- .4	.3
Health services	19.9	19.8	18.6	.1	1.3
GOVERNMENT	43.3	45.0	42.6	- 1.8	.7
State government	15.3	16.8	14.6	- 1.5	.6
State government education[1]	12.3	13.9	11.7	- 1.5	.6
State government, except education	2.9	2.9	2.9	.0	.0
Local government	25.5	25.8	25.5	- .2	.0
Local government education	14.6	15.0	14.2	- .3	.4
Local government, except education	10.9	10.8	11.2	.1	- .3

Hours & Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

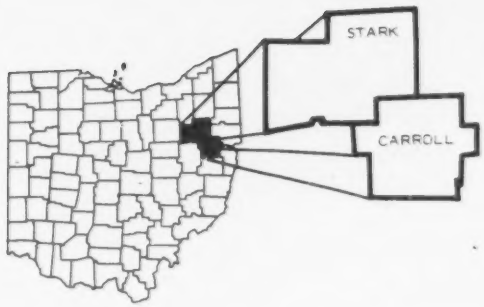
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$489.89	$503.88	$489.62	43.2	44.2	43.1	$11.34	$11.40	$11.36
Durable Goods[e]	495.32	518.47	506.43	42.7	44.2	43.1	11.60	11.73	11.75
Fabricated metal products	599.09	623.45	637.71	43.1	44.5	45.1	13.90	14.01	14.14
Machinery, except electrical	456.83	476.53	435.44	44.7	46.4	43.5	10.22	10.27	10.01
Metalworking machinery	484.70	507.89	463.50	45.9	47.6	45.0	10.56	10.67	10.30
Nondurable Goods[f]	482.02	484.20	466.34	43.9	44.3	43.1	10.98	10.93	10.82
Food and kindred products	478.56	499.14	439.56	44.6	45.5	40.7	10.73	10.97	10.80
Chemicals and allied products	519.35	527.03	474.43	44.2	45.2	41.8	11.75	11.66	11.35
Rubber and misc. plastics products	498.85	486.20	492.17	44.7	44.2	44.5	11.16	11.00	11.06
Tires and inner tubes	782.50	752.76	731.87	50.0	49.2	50.3	15.65	15.30	14.55
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	558.96	572.93	539.48	40.3	41.1	40.2	13.87	13.94	13.42
WHOLESALE TRADE	330.99	333.38	316.22	36.9	37.5	37.6	8.97	8.89	8.41
RETAIL TRADE[h]	193.12	198.74	197.82	30.8	31.9	31.5	6.27	6.23	6.28

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	2,454	2,276	2,843
Active File of Job Seekers	16,818	16,067	20,680
Referrals to Jobs	1,042	813	789
Placements	170	258	131
Job Openings Received	388	519	379
Job Openings Unfilled	697	717	479
Unemployment Insurance Program			
Initial Claims	5,556	5,356	5,841
Continued Claims	37,265	30,770	39,407
First Payments	2,831	1,888	2,879
Last Payments	448	416	500
Weeks Compensated	30,459	22,733	33,548
Benefits Paid	$4,669,705	$3,406,954	$4,953,512
Average Weekly Payment	$157.05	$153.99	$151.70

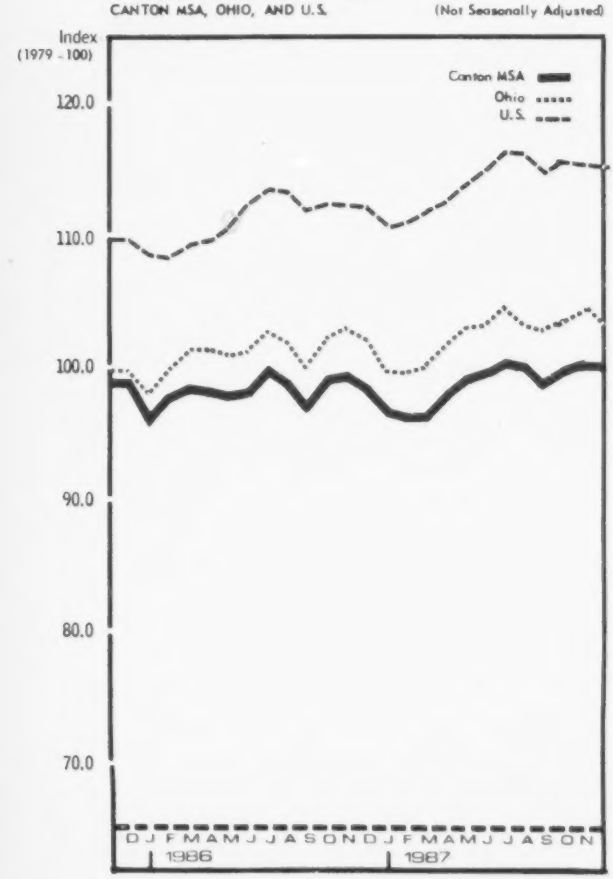
CANTON
METROPOLITAN STATISTICAL AREA



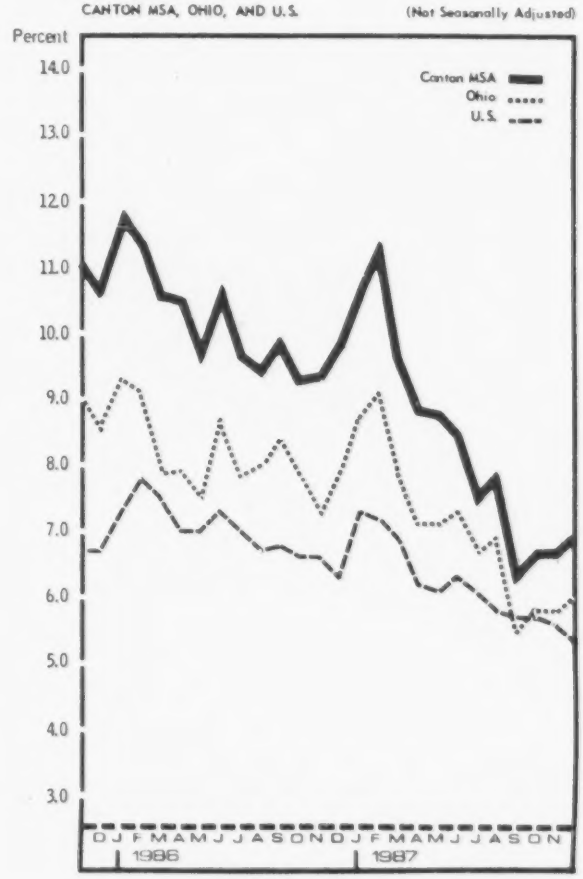
In January, the nonagricultural wage and salary employment for the Canton metropolitan area totaled 155,700, a decline of 3,200 from December. Most of the decrease occurred in nonmanufacturing, primarily due to seasonal decreases in retail trade, construction, and services. Employment in manufacturing was down 200, to a total of 43,700. Factory workers averaged a 42.4-hour workweek, an increase of .2 hours from last month. Their average earnings were up $.08, to $11.37 per hour.

Nonfarm wage and salary employment recorded an increase of 3,800 over the year. Nonmanufacturing industries contributed most to the gain. Construction, retail trade, and services were the major growth sectors. A moderate improvement in the durable-goods division, particularly primary metal industries, helped create 600 new manufacturing jobs since January 1987.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

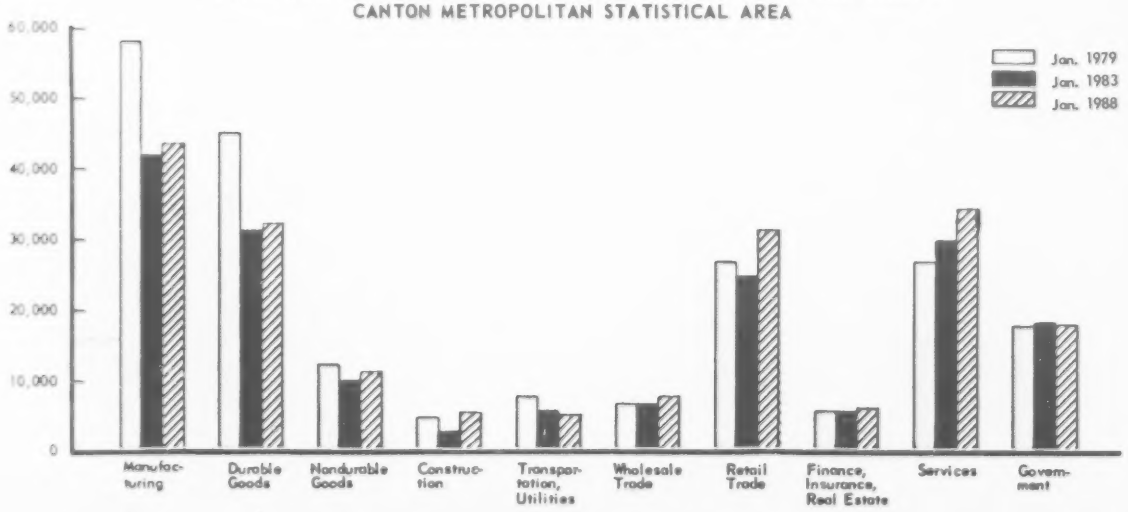


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3*	171.0*	19.4*	10.2*	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1986						
190.3*	171.5*	18.7*	9.9*	December	155.5	43.6	30.8	476.94	41.8	11.41
				1987						
190.0	169.9	20.1	10.6	January	151.9	43.1	30.4	483.19	42.2	11.45
190.8	169.1	21.7	11.4	February	151.8	43.3	30.5	476.70	42.0	11.35
187.7	169.6	18.1	9.7	March	152.8	43.3	30.5	477.12	42.0	11.36
189.1	172.4	16.8	8.9	April	154.3	43.3	30.5	471.03	41.5	11.35
191.2	174.4	16.7	8.7	May	156.3	43.5	30.6	486.35	42.7	11.39
191.8	175.5	16.3	8.5	June	157.3	43.8	30.9	479.39	42.2	11.36
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
INA	INA	INA	INA	January	155.7	43.7	31.2	482.09	42.4	11.37

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	155.7	158.9	151.9	- 3.2	3.8
MANUFACTURING	43.7	43.9	43.1	- .2	.6
Durable Goods[e]	32.3	32.2	31.5	.1	.8
Primary metal industries	10.6	10.6	10.3	.0	.3
Fabricated metal products	6.4	6.5	6.6	- .1	- .1
Metal forgings and stampings	2.1	2.2	2.3	.0	- .2
Nondurable Goods[f]	11.4	11.7	11.6	- .3	- .3
Food and kindred products	3.2	3.4	3.8	- .2	- .6
Rubber and misc. plastics products	3.0	3.1	2.8	.0	.2
NONMANUFACTURING[g]	112.0	115.0	108.8	- 3.1	3.2
CONSTRUCTION	5.9	6.8	4.9	- .9	1.0
TRANSPORTATION AND PUBLIC UTILITIES	5.6	5.7	5.5	- .1	.1
Communication, electric, gas services	2.6	2.6	2.6	.0	- .1
WHOLESALE TRADE	8.1	8.2	7.9	.0	.2
Wholesale trade-durable goods	4.5	4.5	4.4	.0	.1
RETAIL TRADE	31.4	32.6	30.5	- 1.2	.9
General merchandise stores	4.1	4.6	4.1	- .5	.0
Food stores	5.1	5.2	5.1	- .1	.0
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.5	6.4	- .1	- .1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	34.9	35.4	34.0	- .5	.9
Health services	15.1	15.1	14.5	.0	.6
GOVERNMENT	18.6	18.9	18.5	- .3	.1
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	15.5	15.8	15.3	- .3	.1
Local government education	8.9	9.2	9.3	- .3	- .4
Local government, except education	6.5	6.5	6.0	.0	.5

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

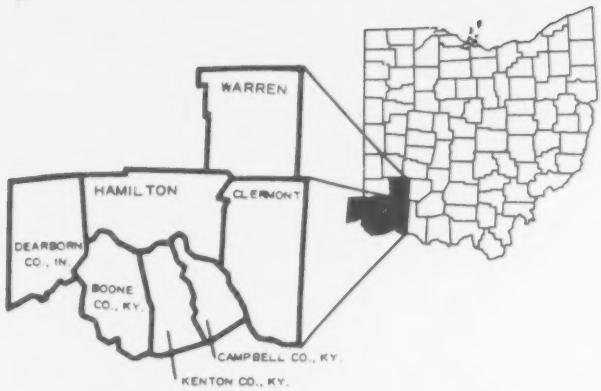
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$482.09	$476.44	$483.19	42.4	42.2	42.2	$11.37	$11.29	$11.45
Durable Goods[e]	503.84	498.37	509.22	43.1	43.0	42.9	11.69	11.59	11.87
Primary metal industries	595.40	548.21	577.66	45.8	43.2	45.2	13.00	12.69	12.78
Fabricated metal products	422.28	442.66	502.80	40.8	42.4	41.9	10.35	10.44	12.00
Metal forgings and stampings	577.50	619.65	663.15	39.8	42.5	43.4	14.51	14.58	15.28
Nondurable Goods[f]	413.66	411.37	403.60	40.2	39.9	40.0	10.29	10.31	10.09
Food and kindred products	429.84	447.45	443.90	39.8	40.9	40.8	10.80	10.94	10.88
Rubber and misc. plastics products	437.78	433.70	428.16	41.3	40.8	42.1	10.60	10.63	10.17
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	573.25	560.60	528.12	41.6	41.1	40.5	13.78	13.64	13.04
WHOLESALE TRADE	374.98	384.38	362.85	37.8	38.4	36.8	9.92	10.01	9.86
RETAIL TRADE[h]	152.58	157.97	150.90	28.1	29.2	28.1	5.43	5.41	5.37

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	1,653	1,294	1,760
Active File of Job Seekers	11,400	10,784	18,303
Referrals to Jobs	737	578	968
Placements	246	209	143
Job Openings Received	270	410	361
Job Openings Unfilled	306	577	358
Unemployment Insurance Program			
Initial Claims	3,514	3,982	4,560
Continued Claims	21,890	14,585	34,139
First Payments	1,738	1,078	2,285
Last Payments	240	215	329
Weeks Compensated	17,249	12,052	25,615
Benefits Paid	$2,445,971	$1,639,133	$3,716,635
Average Weekly Payment	$146.61	$141.33	$150.56

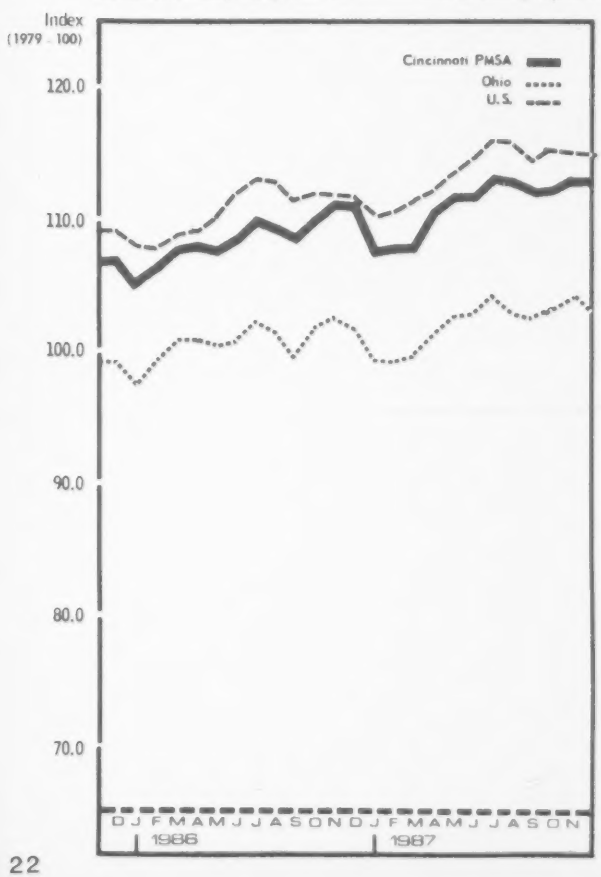
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



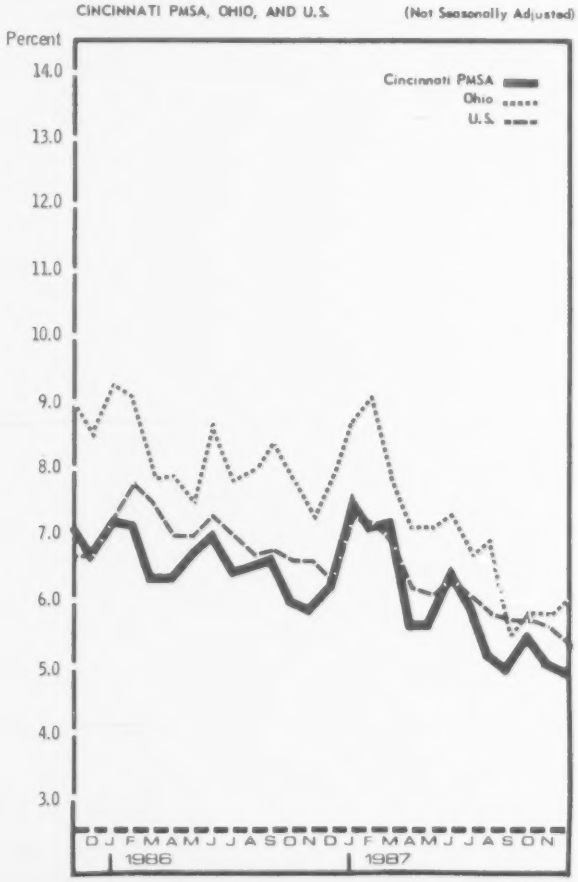
Nonagricultural wage and salary employment in the Cincinnati metropolitan area declined 16,000 from December, to 678,900 in January. Manufacturing employment, at 145,000, was down 600, with scattered losses in durable- and nondurable-goods industries. Nonmanufacturing employment decreased 15,400, due to seasonal losses in retail trade, construction, amusement and recreation services, and local government education. Factory production workers earned an average of $11.15 per hour, up slightly from December. The average workweek, 43.2 hours, was .7 hours shorter.

Since January 1987, nonfarm employment advanced 28,800. Growth in services, retail trade, and construction accounted for most of the improvement, although all nonmanufacturing sectors recorded gains. Manufacturing employment increased 2,600 workers over the year. Expansion in nondurable-goods industries, especially chemicals and allied products and apparel and other textile products, overshadowed losses in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



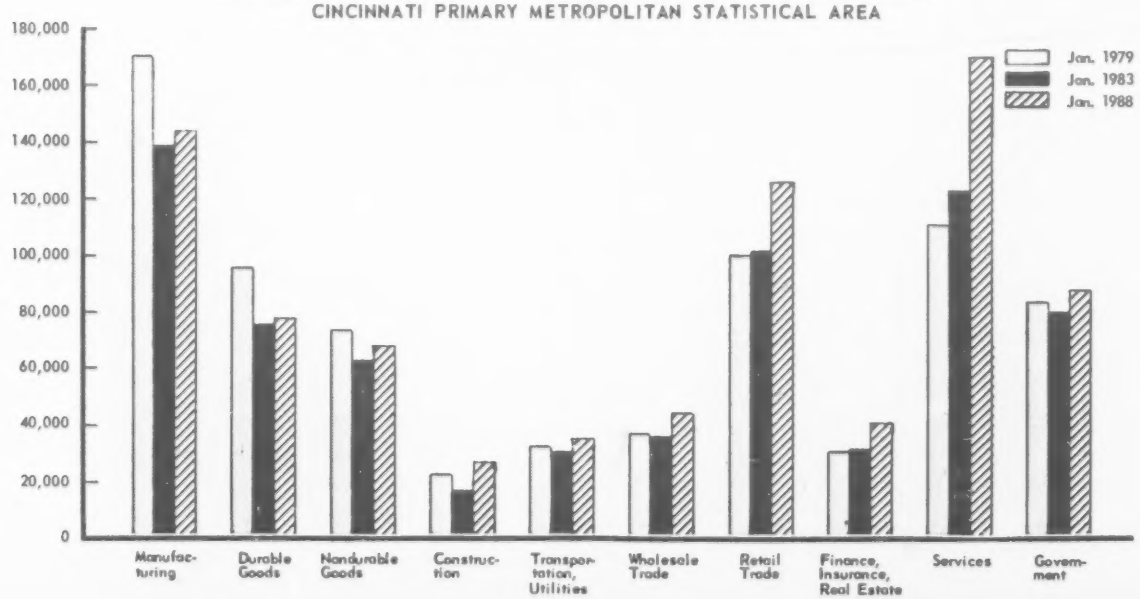
CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5*	679.4*	47.2*	6.5*	1986	650.8	147.7	95.5	453.00	42.1	10.76
739.6*	695.7*	43.9*	5.9*	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1986						
738.5*	693.0*	45.5*	6.2*	December	668.8	147.7	95.5	472.14	43.0	10.98
				1987						
727.5*	671.9*	55.6*	7.6*	January	650.1	142.4	90.5	458.53	42.3	10.84
726.9*	675.2*	51.6*	7.1*	February	654.0	145.7	93.6	467.25	42.4	11.02
727.0*	675.0*	52.0*	7.2*	March	656.6	142.2	90.4	462.40	42.5	10.88
732.2*	691.5*	40.7*	5.6*	April	673.1	146.9	94.8	459.38	41.8	10.99
740.9*	699.3*	41.6*	5.6*	May	679.6	147.6	95.3	466.15	42.3	11.02
747.8*	698.8*	48.9*	6.5*	June	680.2	144.7	92.0	466.52	42.8	10.90
752.9*	708.5*	44.4*	5.9*	July	679.4	144.9	91.9	451.73	42.1	10.73
744.9*	705.9*	38.9*	5.2*	August	686.1	148.7	95.8	472.69	42.7	11.07
738.5*	702.0*	36.6*	4.9*	September	689.7	146.3	93.6	471.71	43.0	10.97
744.2*	703.3*	41.0*	5.5*	October	688.8	144.1	91.4	467.41	43.0	10.87
747.5*	709.2*	38.3*	5.1*	November	693.1	145.4	93.2	477.17	43.3	11.02
744.9*	708.0*	36.8*	4.9*	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
INA	INA	INA	INA	January	678.9	145.0	93.0	481.68	43.2	11.15

INA - information not available. * - Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	678.9	694.9	650.1	- 16.0	28.8
MANUFACTURING	145.0	145.6	142.4	- .6	2.6
Durable Goods[e]	77.6	77.8	77.9	- .2	- .3
Fabricated metal products	10.3	10.3	10.2	- .1	.1
Fabricated structural metal products	4.1	4.1	3.9	- .1	.1
Machinery, except electrical	20.5	20.6	20.7	- .1	- .3
Metalworking machinery	8.0	8.0	8.5	.0	- .5
General industrial machinery	3.0	3.0	3.0	.0	.0
Electric and electronic equipment	7.5	7.5	7.4	.0	.1
Transportation equipment	25.3	25.4	26.2	- .1	- .9
Motor vehicles and equipment	5.2	5.2	5.6	.0	- .4
Nondurable Goods[f]	67.5	67.8	64.5	- .4	3.0
Food and kindred products	13.2	13.4	12.6	- .2	.5
Beverages	3.4	3.5	3.7	.0	- .3
Apparel and other textile products	4.0	4.1	3.3	.0	.7
Paper and allied products	6.0	6.1	6.0	.0	.0
Printing and publishing	13.3	13.3	13.1	- .1	.2
Commercial printing	5.8	5.8	5.5	.0	.3
Chemicals and allied products	22.7	22.6	21.6	.1	1.0
Rubber and misc. plastics products	5.9	6.0	5.6	- .1	.3
NONMANUFACTURING[g]	533.8	549.3	507.6	- 15.4	26.2
CONSTRUCTION	28.3	31.2	25.5	- 2.9	2.9
TRANSPORTATION AND PUBLIC UTILITIES	35.8	36.1	34.2	- .3	1.6
Trucking and warehousing	9.9	10.2	9.5	- .3	.4
Communication, electric, gas services	15.1	15.0	15.0	.0	.1
WHOLESALE TRADE	44.9	45.1	43.3	- .2	1.6
Wholesale trade-durable goods	26.5	26.5	25.4	- .1	1.1
RETAIL TRADE	125.6	132.0	121.0	- 6.4	4.6
General merchandise stores	18.0	19.9	18.2	- 1.9	- .2
FINANCE, INSURANCE, AND REAL ESTATE	41.0	41.3	38.9	- .3	2.1
Banking	9.1	8.9	8.5	.1	.6
Insurance carriers	14.1	14.1	13.6	.1	.5
SERVICES	169.7	173.3	157.5	- 3.6	12.3
Hotels and other lodging places	6.1	6.4	5.7	- .3	.5
Personal services	8.8	8.6	8.3	.2	.5
Business services	40.9	41.8	37.5	- .9	3.4
Amusement and recreation services	6.1	8.1	5.3	- 2.0	.8
Health services	53.8	53.6	50.6	.3	3.2
Hospitals	25.6	25.6	24.4	.0	1.2
GOVERNMENT	87.9	89.8	86.9	- 1.9	1.0
Federal government	15.3	15.5	14.6	- .2	.6
State government	19.9	20.2	19.7	- .4	.1
State government education[i]	12.2	12.5	11.8	- .3	.3
State government, except education	7.7	7.7	7.9	.0	- .2
Local government	52.8	54.1	52.6	- 1.3	.2
Local government education	30.8	31.8	30.9	- 1.0	- .1
Local government, except education	22.0	22.3	21.7	- .3	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$481.68	$488.17	$458.53	43.2	43.9	42.3	$11.15	$11.12	$10.84
Durable Goods[e]	479.52	492.84	461.13	43.2	44.4	42.5	11.10	11.10	10.85
Fabricated metal products	421.93	434.17	407.46	41.9	43.9	42.8	10.07	9.89	9.52
Fabricated structural metal products	417.18	445.11	410.18	40.7	44.6	41.6	10.25	9.98	9.86
Machinery, except electrical	433.24	441.53	418.46	42.6	43.5	42.7	10.17	10.15	9.80
Metalworking machinery	498.88	508.19	453.02	43.8	44.5	42.9	11.39	11.42	10.56
General industrial machinery	408.74	459.19	410.41	42.8	47.0	43.8	9.55	9.77	9.37
Electric and electronic equipment	351.29	377.04	347.77	40.8	42.7	39.7	8.61	8.83	8.76
Transportation equipment	715.10	732.30	681.29	46.8	47.8	46.6	15.28	15.32	14.62
Motor vehicles and equipment	755.37	806.22	763.05	46.2	49.1	47.9	16.35	16.42	15.93
Nondurable Goods[f]	485.39	484.16	456.36	43.3	43.5	42.1	11.21	11.13	10.84
Food and kindred products	557.17	528.47	481.74	46.2	44.9	43.4	12.06	11.77	11.10
Beverages	528.35	524.17	544.36	41.8	41.7	43.9	12.64	12.57	12.40
Apparel and other textile products	212.82	223.26	218.28	37.6	39.1	37.7	5.66	5.71	5.79
Paper and allied products	429.57	425.43	409.53	43.0	42.8	41.2	9.99	9.94	9.94
Printing and publishing	474.35	484.34	460.40	41.5	42.3	40.6	11.43	11.45	11.34
Commercial printing	509.98	509.68	523.09	43.7	43.9	44.9	11.67	11.61	11.65
Chemicals and allied products	561.60	571.12	528.20	43.2	44.0	42.7	13.00	12.98	12.37
Rubber and misc. plastics products	407.56	407.97	402.56	44.3	44.2	43.9	9.20	9.23	9.17
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	544.64	544.56	523.64	39.9	40.1	39.7	13.65	13.58	13.19
WHOLESALE TRADE	400.90	389.78	378.28	40.7	40.9	40.2	9.85	9.53	9.41
RETAIL TRADE[h]	163.02	168.40	159.61	28.5	29.7	28.4	5.72	5.67	5.62
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	254.16	258.93	261.17	....	....	....	.....	.....	.....

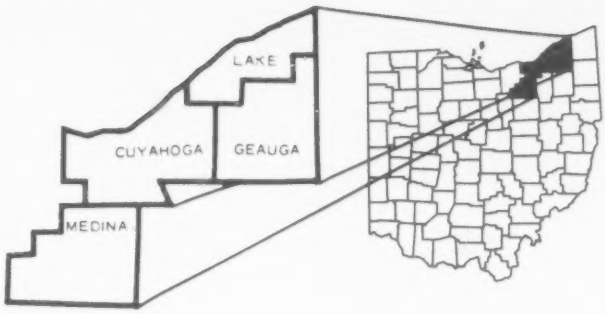
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	3,061	3,063	3,813
Active File of Job Seekers	22,647	21,328	25,144
Referrals to Jobs	1,558	2,155	2,114
Placements	243	714	421
Job Openings Received	655	1,060	1,182
Job Openings Unfilled	1,576	1,813	1,539
Unemployment Insurance Program			
Initial Claims	6,805	6,719	10,512
Continued Claims	52,128	49,031	64,267
First Payments	2,254	2,419	3,910
Last Payments	524	450	626
Weeks Compensated	40,313	35,862	45,992
Benefits Paid	$6,407,686	$5,733,261	$6,837,208
Average Weekly Payment	$161.79	$163.15	$151.77

[a]Ohio data only

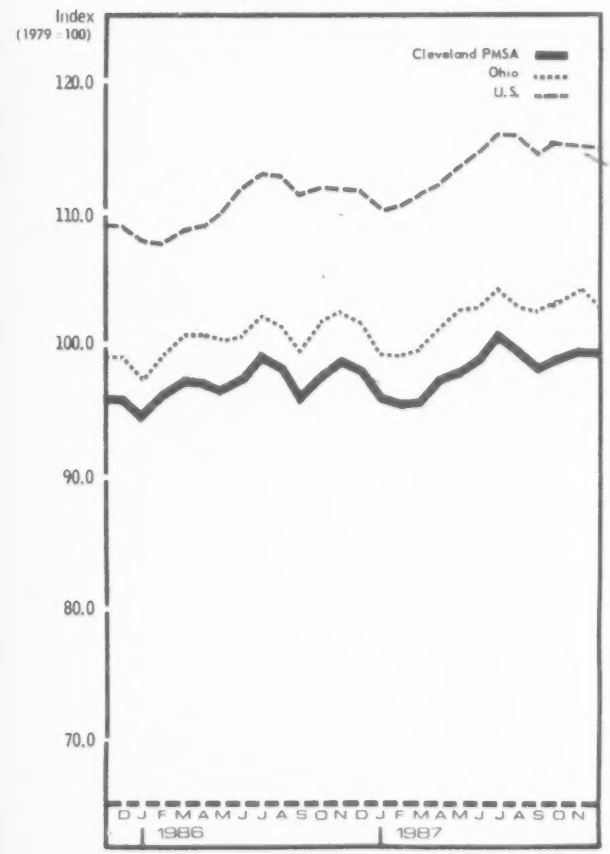
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



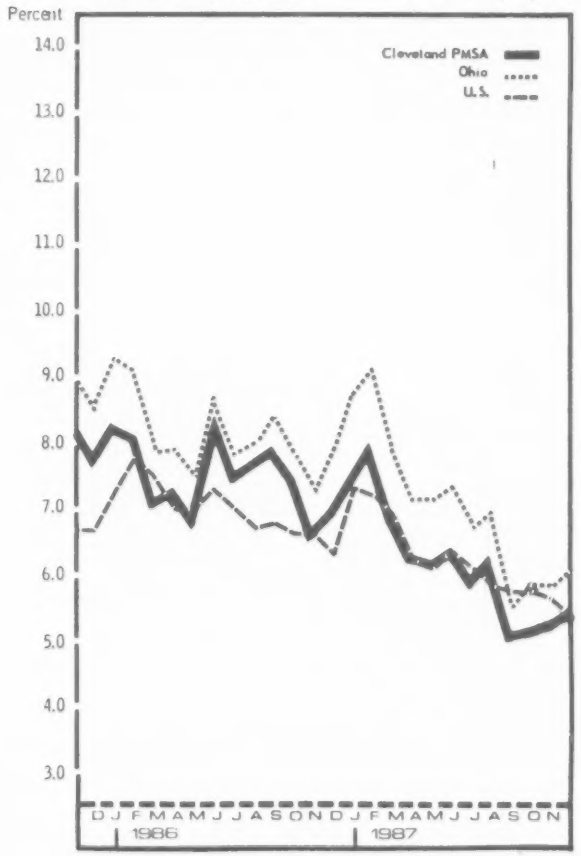
Total nonfarm employment in the Cleveland metropolitan area declined 19,800 since December, to 890,500 in January. Although nearly all nonmanufacturing sectors reflected employment losses, significant reductions were noted in retail trade, services, and construction. Manufacturing employment decreased 900, to 202,400 in January, due to reductions in nonelectrical machinery, motor vehicles and equipment, and chemicals and allied products. Factory workers earned an average of $11.74 per hour, increasing $.08 from December. Their average workweek of 43.3 hours was .7 hours shorter.

From January 1987 to January 1988 nonagricultural wage and salary employment advanced 23,400. Nonmanufacturing industries contributed 89 percent of the growth, with noteworthy improvement in services and retail trade. Manufacturing employment gained 2,500 jobs during the period due to moderate expansion in fabricated metal products, rubber and miscellaneous plastics products, and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

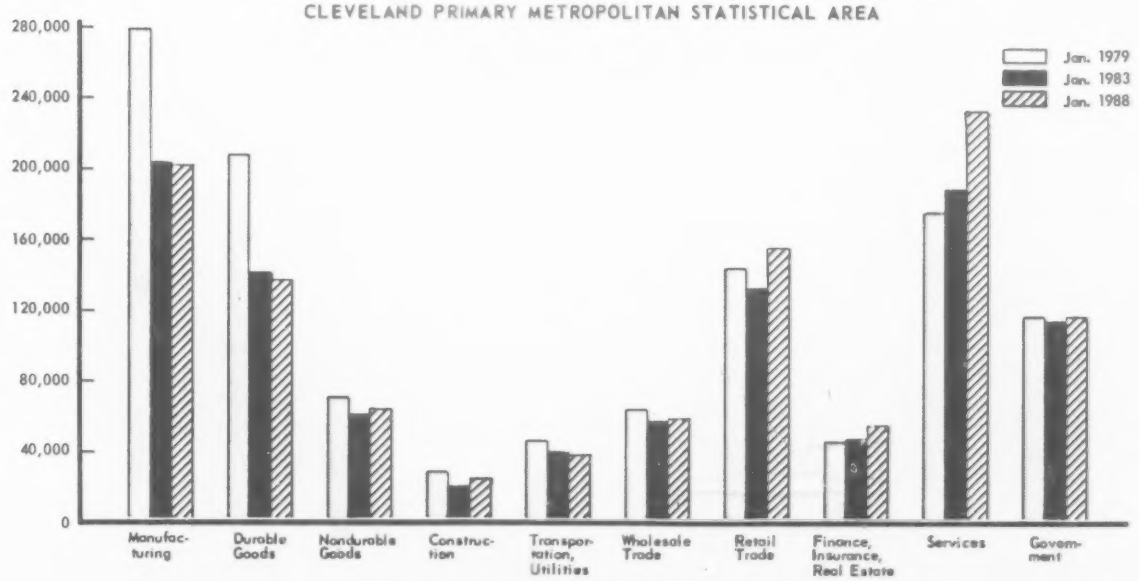


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3*	864.1*	70.2*	7.5*	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
935.9*	870.4*	65.5*	7.0*	1986 December	891.6	203.2	130.0	505.61	43.4	11.65
915.8	847.1	68.7	7.5	1987 January	867.1	199.9	127.7	503.84	43.1	11.69
919.3	845.9	73.4	8.0	February	868.5	199.6	127.5	493.64	42.3	11.67
909.1	845.7	63.4	7.0	March	871.3	199.3	127.6	498.07	42.9	11.61
916.9	858.8	58.1	6.3	April	880.1	199.4	127.9	494.89	42.7	11.59
925.3	867.2	58.0	6.3	May	889.5	199.9	127.6	493.19	42.7	11.55
935.9	875.5	60.4	6.5	June	899.0	201.1	128.3	494.21	42.9	11.52
949.3	892.7	56.7	6.0	July	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December 1988	910.2	203.3	131.1	513.04	44.0	11.66
INA	INA	INA	INA	January	890.5	202.4	130.1	508.34	43.3	11.74

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Chnage[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	890.5	910.2	867.1	- 19.8	23.4
MANUFACTURING	202.4	203.3	199.9	- .9	2.5
Durable Goods[e]	137.4	138.3	136.8	- .9	.6
Primary metal industries	21.1	21.2	20.7	- .1	.4
Iron and steel foundries	5.3	5.3	5.3	- .1	.0
Fabricated metal products	33.2	33.3	31.7	- .1	1.5
Fabricated structural metal products	4.4	4.3	3.8	.0	.5
Screw machine products, bolts, etc.	4.8	4.8	4.6	.0	.2
Metal forgings and stampings	11.7	11.7	11.1	.0	.6
Machinery, except electrical	28.9	29.2	29.2	- .3	- .3
Construction and related machinery	2.6	2.6	2.5	.0	.1
Metalworking machinery	9.5	9.6	9.7	.0	- .2
Special industry machinery	2.5	2.8	2.9	- .2	- .3
General industrial machinery	3.0	3.0	3.0	.0	.0
Electric and electronic equipment	17.9	18.0	18.4	- .1	- .5
Electrical industrial apparatus	6.1	6.2	6.1	- .1	.0
Transportation equipment	19.1	19.3	19.5	- .3	- .5
Motor vehicles and equipment	12.0	12.2	12.3	- .3	- .3
Instruments and related products	6.6	6.5	6.9	.1	- .3
Measuring and controlling devices	4.2	4.2	4.2	.0	.0
Nondurable Goods[f]	65.0	65.0	63.1	.0	1.9
Food and kindred products	7.2	7.2	6.8	.0	.4
Apparel and other textile products	3.9	3.9	4.1	.0	- .2
Paper and allied products	5.8	5.8	5.5	.0	.2
Printing and publishing	16.3	16.2	15.9	.0	.3
Chemicals and allied products	14.6	14.8	14.1	- .2	.5
Rubber and misc. plastics products	12.4	12.2	11.8	.3	.7
NONMANUFACTURING[g]	688.0	706.9	667.2	- 18.9	20.9
CONSTRUCTION	25.8	28.7	23.7	- 2.9	2.1
TRANSPORTATION AND PUBLIC UTILITIES	39.7	41.6	40.5	- 1.9	- .8
Trucking and warehousing	11.7	12.5	11.1	- .9	.5
Communication, electric, gas services	17.3	17.7	18.6	- .3	- 1.2
WHOLESALE TRADE	60.1	60.9	59.9	- .8	.2
Wholesale trade-durable goods	41.4	42.0	41.6	- .6	- .2
RETAIL TRADE	155.2	163.1	149.5	- 7.9	5.7
General merchandise stores	21.7	23.7	21.3	- 2.0	.3
FINANCE, INSURANCE, AND REAL ESTATE	55.2	55.1	53.0	.1	2.2
Banking	13.4	13.4	13.2	.0	.2
Credit agencies other than banks	8.7	8.7	8.6	- .1	.1
Insurance carriers	13.8	13.8	13.1	.0	.7
SERVICES	233.6	237.3	223.9	- 3.8	9.6
Business services	53.7	54.6	50.3	- 1.0	3.4
Amusement and recreation services	5.9	6.9	6.2	- 1.0	- .2
Health services	75.8	75.8	73.6	.0	2.2
Hospitals	43.0	43.1	41.6	- .1	1.4
GOVERNMENT	117.3	119.0	115.4	- 1.6	1.9
Federal government	20.8	20.9	20.4	- .1	.4
State government	8.1	8.4	8.4	- .3	- .3
State government education[1]	3.0	3.4	3.1	- .4	- .1
State government, except education	5.1	5.0	5.3	.1	- .2
Local government	88.4	89.6	86.6	- 1.2	1.9
Local government education	45.1	46.1	43.1	- 1.0	2.0
Local government, except education	43.3	43.5	43.5	- .1	- .1

Hours & Earnings of Production or Nonsupervisory Workers[a]

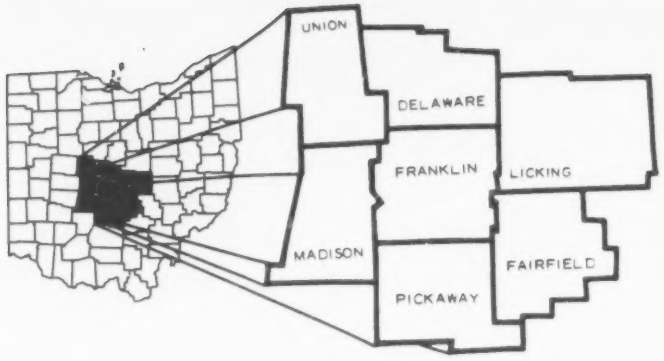
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$508.34	$513.04	$503.84	43.3	44.0	43.1	$11.74	$11.66	$11.69
Durable Goods[e]	545.87	550.80	542.96	44.2	45.0	44.0	12.35	12.24	12.34
Primary metal industries	606.34	588.94	662.22	45.9	46.3	47.2	13.21	12.72	14.03
Iron and steel foundries	898.39	767.45	900.23	50.9	45.6	52.4	17.65	16.83	17.18
Fabricated metal products	559.55	569.48	547.90	44.8	46.0	44.8	12.49	12.38	12.23
Fabricated structural metal products	378.10	409.49	362.16	39.1	41.7	38.9	9.67	9.82	9.31
Screw machine products, bolts, etc.	549.20	555.12	462.78	49.3	49.3	43.7	11.14	11.26	10.59
Metal forgings and stampings	713.58	724.59	727.02	46.7	48.5	48.5	15.28	14.94	14.99
Machinery, except electrical	480.82	501.56	483.21	42.4	43.5	42.8	11.34	11.53	11.29
Construction and related machinery	439.89	461.65	407.04	47.3	48.8	44.1	9.30	9.46	9.23
Metalworking machinery	438.37	444.64	423.74	41.2	41.4	41.3	10.64	10.74	10.26
Special industry machinery	491.71	498.80	484.74	41.6	40.0	40.7	11.82	12.47	11.91
General industrial machinery	507.75	515.97	490.16	44.5	45.3	44.0	11.41	11.39	11.14
Electric and electronic equipment	455.18	462.60	435.25	42.5	43.6	41.1	10.71	10.61	10.59
Electrical industrial apparatus	492.80	477.99	458.28	42.3	42.3	41.7	11.65	11.30	10.99
Transportation equipment	712.54	722.61	689.93	46.0	46.5	45.6	15.49	15.54	15.13
Motor vehicles and equipment	780.93	786.61	722.52	46.1	46.6	45.7	16.94	16.88	15.81
Instruments and related products	418.70	430.65	406.30	42.9	43.5	42.5	9.76	9.90	9.56
Measuring and controlling devices	442.37	453.79	409.76	43.2	44.1	41.6	10.24	10.29	9.85
Nondurable Goods[f]	417.58	421.41	410.23	41.1	41.6	40.9	10.16	10.13	10.03
Food and kindred products	384.05	378.21	397.11	40.9	42.4	42.7	9.39	8.92	9.30
Apparel and other textile products	338.18	331.14	310.37	40.5	39.8	38.7	8.35	8.32	8.02
Paper and allied products	478.24	487.03	466.55	42.7	43.1	43.0	11.20	11.30	10.85
Printing and publishing	390.16	404.80	408.18	37.3	38.7	37.9	10.46	10.46	10.77
Chemicals and allied products	522.65	523.20	491.63	43.7	43.6	42.2	11.96	12.00	11.65
Rubber and misc. plastics products	387.90	385.71	374.88	43.1	43.0	42.6	9.00	8.97	8.80
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	583.02	584.22	551.61	41.0	41.2	40.5	14.22	14.18	13.62
WHOLESALE TRADE	397.84	406.06	391.45	38.7	39.5	39.5	10.28	10.28	9.91
RETAIL TRADE[h]	182.71	183.10	175.26	27.6	28.3	27.6	6.62	6.47	6.35
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	298.55	299.30	300.30	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	340.38	341.15	334.95	31.4	31.5	32.3	10.84	10.83	10.37

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	4,871	4,928	8,895
Active File of Job Seekers	61,325	59,036	94,839
Referrals to Jobs	1,681	1,468	1,764
Placements	285	335	326
Job Openings Received	904	926	776
Job Openings Unfilled	2,205	2,336	1,619
Unemployment Insurance Program			
Initial Claims	11,243	11,059	11,828
Continued Claims	81,615	73,669	96,052
First Payments	6,166	4,212	6,919
Last Payments	1,138	959	1,463
Weeks Compensated	64,489	52,695	78,725
Benefits Paid	$9,736,382	$7,728,878	$11,746,775
Average Weekly Payment	$153.61	$149.48	$151.98

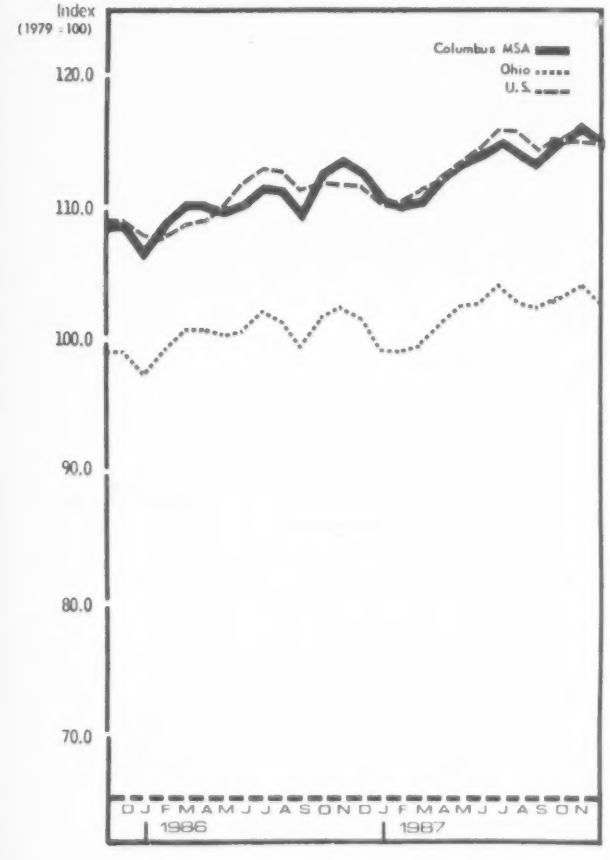
COLUMBUS METROPOLITAN STATISTICAL AREA



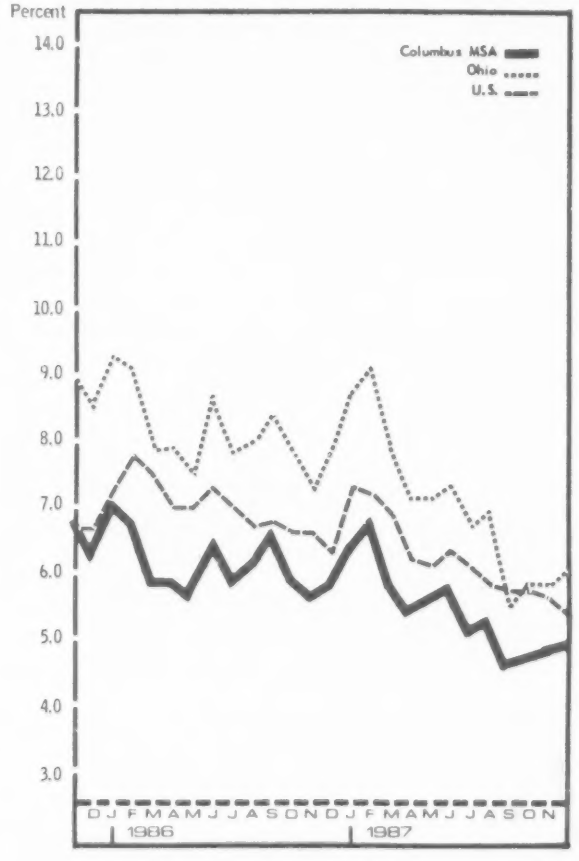
Nonagricultural wage and salary employment in the Columbus metropolitan area declined 14,100 from December, to 662,300 in January. Seasonal losses in retail trade, services, construction, and government contributed most, although all nonmanufacturing sectors were lower over the month. Manufacturing employment, at 102,300, dropped slightly, with losses in stone, clay, and glass products negating gains in transportation equipment. The average hourly earnings for factory production workers remained unchanged from December, at $11.35 per hour. The average workweek, 41.5 hours, was .4 hours shorter.

Since January 1987, nonfarm employment increased 20,200. All of the improvements occurred in nonmanufacturing sectors, especially in services, retail trade, construction, and finance, insurance, and real estate. Losses in transportation equipment overshadowed gains in nondurable-goods industries as manufacturing lost 1,800 jobs during the period.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

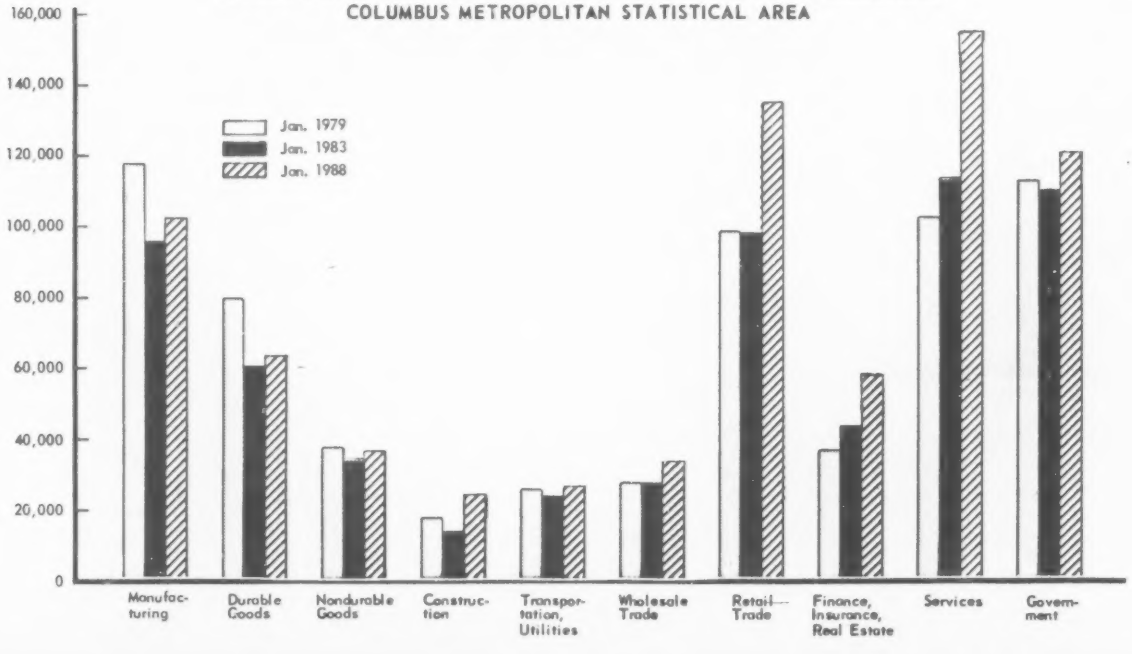


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7*	634.4*	41.3*	6.1*	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
686.7*	646.6*	40.0*	5.8*	1986 December	652.3	104.7	69.7	472.79	41.4	11.42
686.3	643.1	43.2	6.3	1987 January	642.1	104.0	69.2	472.15	41.2	11.46
685.8	639.8	46.0	6.7	February	641.9	103.2	68.4	463.81	40.9	11.34
682.4	643.0	39.4	5.8	March	647.1	103.4	68.6	477.47	41.7	11.45
687.4	650.8	36.6	5.3	April	650.6	103.3	68.3	466.49	41.1	11.35
696.1	657.1	39.1	5.6	May	657.2	103.4	68.4	474.24	41.6	11.40
699.6	659.1	40.4	5.8	June	660.2	103.2	68.5	473.10	41.5	11.40
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3	11.48
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
INA	INA	INA	INA	1988 January	662.3	102.3	67.2	471.03	41.5	11.35

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	662.3	676.4	642.1	- 14.1	20.2
MANUFACTURING	102.3	102.3	104.0	- .1	- 1.8
Durable Goods[e]	64.4	64.5	67.6	.0	- 3.2
Stone, clay, and glass products	9.9	10.3	10.6	- .4	- .6
Glass and glassware, pressed or blown.	3.6	3.8	4.2	- .3	- .6
Fabricated metal products	9.4	9.5	9.4	.0	.0
Fabricated structural metal products	2.8	2.8	2.7	.1	.1
Machinery, except electrical	9.2	9.2	9.1	.0	.1
Electric and electronic equipment	11.1	11.0	11.0	.0	.1
Transportation equipment	12.9	12.6	16.0	.4	- 3.0
Instruments and related products	4.1	4.1	4.1	.0	.1
Nondurable Goods[f]	37.8	37.9	36.4	-.0	1.5
Food and kindred products	10.6	10.5	9.8	.1	.8
Printing and publishing	10.3	10.4	10.0	- .1	.3
Chemicals and allied products	6.7	6.7	6.8	.0	- .1
Rubber and misc. plastics products	5.4	5.4	5.2	.0	.2
NONMANUFACTURING[g]	560.0	574.0	538.1	- 14.0	21.9
CONSTRUCTION	25.8	28.2	23.1	- 2.4	2.6
TRANSPORTATION AND PUBLIC UTILITIES	27.8	28.8	27.3	- 1.0	.5
Trucking and warehousing	11.5	12.3	11.3	- .9	.2
Communication, electric, gas services	11.6	11.7	11.6	- .1	.0
WHOLESALE TRADE	34.5	34.8	32.8	- .3	1.7
Wholesale trade-durable goods	22.4	22.5	21.2	- .2	1.1
RETAIL TRADE	135.2	141.1	129.1	- 5.8	6.1
General merchandise stores	23.1	25.3	20.8	- 2.3	2.2
FINANCE, INSURANCE, AND REAL ESTATE	58.1	58.3	55.7	- .2	2.4
Banking	12.0	11.9	11.4	.0	.6
Insurance carriers	22.9	23.0	22.3	- .1	.6
SERVICES	155.8	158.3	148.8	- 2.5	7.0
Business services	35.2	36.7	33.9	- 1.5	1.3
Health services	40.2	40.3	38.4	- .2	1.8
Hospitals	17.9	17.8	17.0	.1	.9
GOVERNMENT	121.9	123.5	120.4	- 1.7	1.5
Federal government	15.3	15.7	15.7	- .4	- .4
State government	55.1	55.5	53.6	- .4	1.6
State government education[1]	24.3	24.9	23.3	- .6	1.1
State government, except education	30.8	30.6	30.3	.2	.5
Local government	51.5	52.4	51.2	- .9	.3
Local government education	31.4	31.6	30.9	- .2	.5
Local government, except education	20.1	20.7	20.3	- .6	- .2

Hours & Earnings of Production or Nonsupervisory Workers[a]

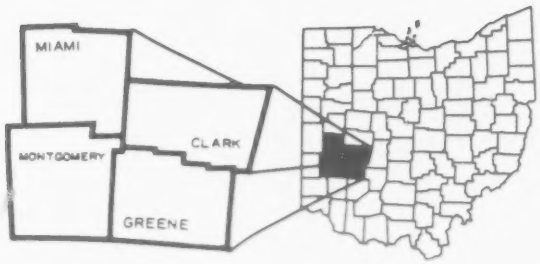
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$471.03	$475.57	$472.15	41.5	41.9	41.2	$11.35	$11.35	$11.46
Durable Goods[e]	476.42	481.12	482.45	41.5	41.8	41.2	11.48	11.51	11.71
Stone, clay, and glass products	469.04	473.85	454.73	40.4	40.5	38.7	11.61	11.70	11.75
Glass and glassware, pressed or blown.	454.21	428.41	419.27	40.7	38.7	38.5	11.16	11.07	10.89
Fabricated metal products	500.61	517.02	498.11	41.0	42.0	41.2	12.21	12.31	12.09
Fabricated structural metal products	446.61	483.56	450.50	41.7	44.0	42.3	10.71	10.99	10.65
Machinery, except electrical	457.92	455.57	458.58	43.2	43.1	42.5	10.60	10.57	10.79
Electric and electronic equipment	457.60	444.11	451.27	41.6	40.3	40.4	11.00	11.02	11.17
Transportation equipment	568.46	589.58	578.52	43.0	43.9	43.4	13.22	13.43	13.33
Instruments and related products	394.75	410.00	427.98	38.4	40.0	42.0	10.28	10.25	10.19
Nondurable Goods[f]	460.24	464.36	448.13	41.5	42.1	41.0	11.09	11.03	10.93
Food and kindred products	436.85	457.80	438.78	40.3	42.0	41.2	10.84	10.90	10.65
Printing and publishing	553.62	556.00	510.90	41.1	41.4	39.3	13.47	13.43	13.00
Chemicals and allied products	561.60	555.13	551.68	43.2	43.1	43.1	13.00	12.88	12.80
Rubber and misc. plastics products	358.70	352.79	338.55	42.4	42.2	40.4	8.46	8.36	8.38
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	568.99	582.08	546.35	40.7	41.4	40.5	13.98	14.06	13.49
WHOLESALE TRADE	343.36	346.63	345.98	37.2	37.8	38.4	9.23	9.17	9.01
RETAIL TRADE[h]	175.97	193.15	164.95	28.2	29.9	28.1	6.24	6.46	5.87
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	257.48	253.60	249.72	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	339.08	337.76	321.71	34.6	34.5	33.9	9.80	9.79	9.49

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	4,449	4,516	7,909
Active File of Job Seekers	31,742	30,880	38,242
Referrals to Jobs	1,701	1,845	2,409
Placements	308	578	421
Job Openings Received	1,197	1,080	1,556
Job Openings Unfilled	2,395	1,997	4,364
Unemployment Insurance Program			
Initial Claims	7,396	7,364	8,729
Continued Claims	51,216	47,664	56,798
First Payments	4,173	2,835	4,271
Last Payments	538	584	655
Weeks Compensated	45,707	36,977	46,682
Benefits Paid	$7,167,383	$5,811,787	$6,934,649
Average Weekly Payment	$159.29	$160.41	$152.05

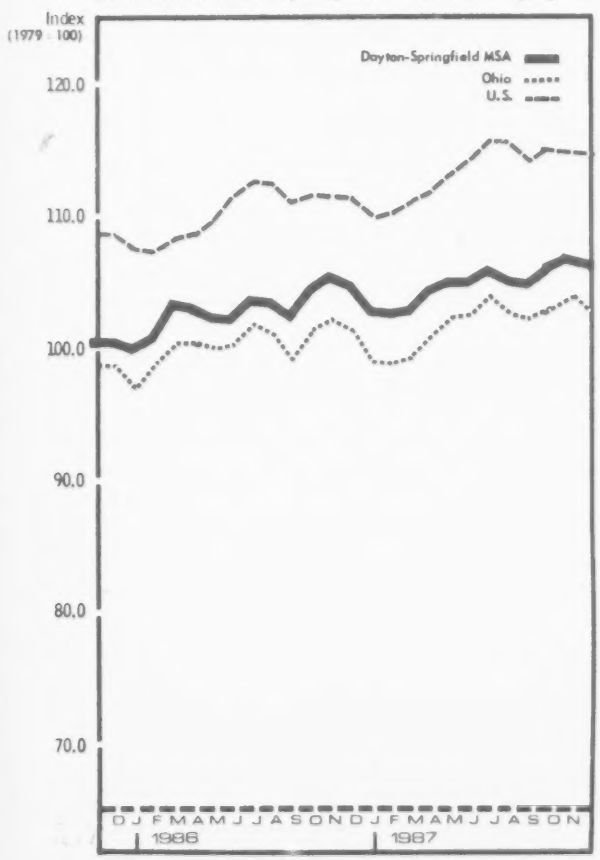
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



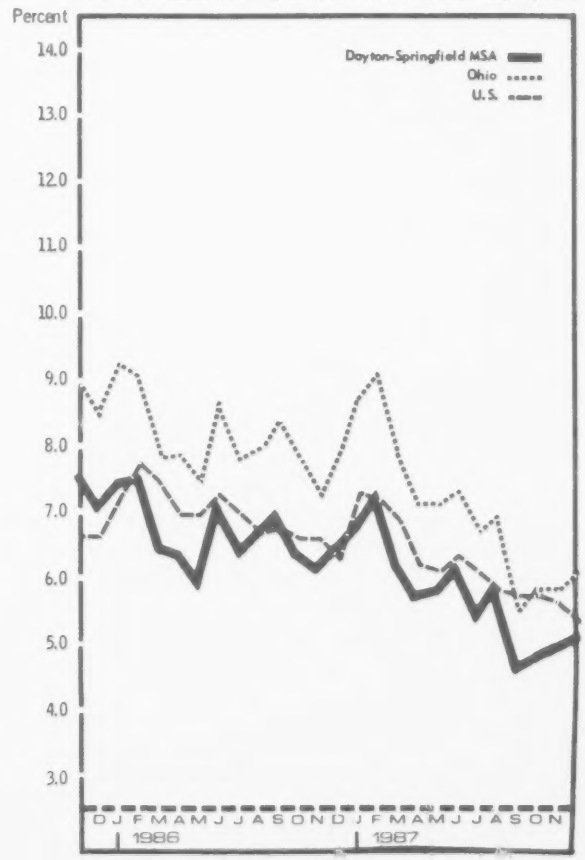
Nonagricultural wage and salary employment in the Dayton-Springfield area declined 9,300, for a total of 426,600 in January. Most of the loss occurred in nonmanufacturing industries, down 8,700, due to seasonal reductions in retail trade, construction, and services. Scattered losses in durable- and nondurable-goods industries lowered the manufacturing workforce 600 over the month, to 102,600. Production workers earned an average hourly wage of $12.01 in January, down $.07 from December. Their average workweek was 42.1 hours, .7 hours shorter.

Since January 1987, nonagricultural wage and salary employment increased 7,400. Services, retail trade, and construction contributed most to the growth. Manufacturing employment dropped 1,300 over the year from losses in durable-goods industries, especially transportation equipment and nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

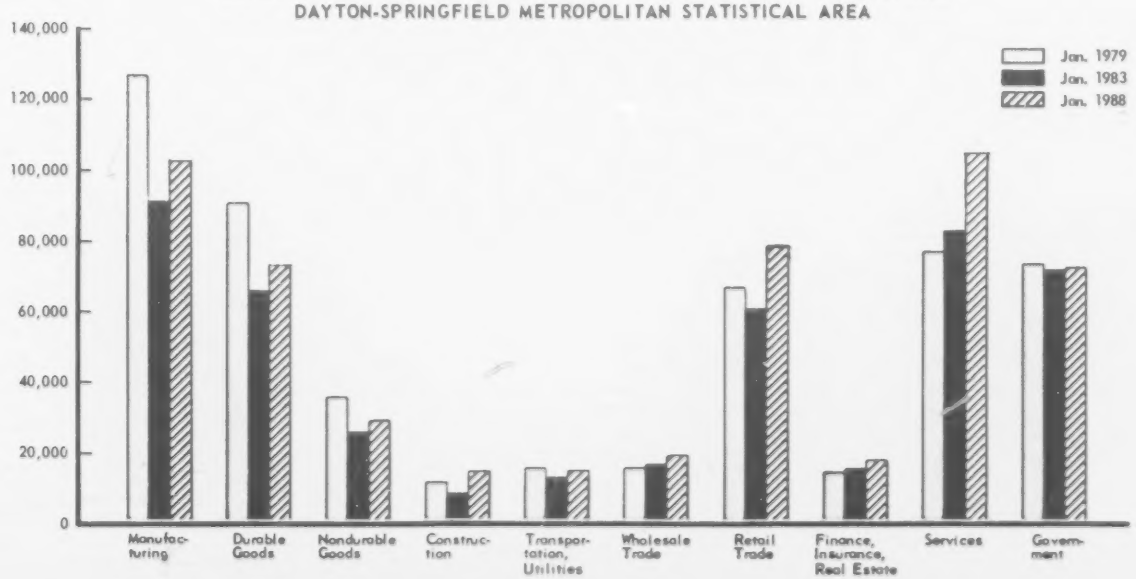


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0*	431.6*	30.4*	6.6*	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1986						
468.0*	437.9*	30.0*	6.4*	December	427.1	105.0	67.9	509.32	42.8	11.90
				1987						
458.4	427.6	30.8	6.7	January	419.2	103.9	66.9	500.22	42.0	11.91
460.1	426.7	33.5	7.3	February	419.5	103.0	66.4	505.56	42.2	11.98
455.5	427.8	27.8	6.1	March	421.9	103.3	66.4	494.15	41.7	11.85
460.8	434.8	26.0	5.6	April	426.5	103.9	67.0	486.10	41.3	11.77
464.3	437.5	26.8	5.8	May	429.3	104.0	67.0	486.04	41.4	11.74
464.9	436.5	28.4	6.1	June	428.7	104.2	67.0	502.18	42.2	11.90
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
INA	INA	INA	INA	January	426.6	102.6	65.7	505.62	42.1	12.01

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	426.6	435.9	419.2	- 9.3	7.4
MANUFACTURING	102.6	103.2	103.9	- .6	- 1.3
Durable Goods[e]	73.6	74.0	75.1	- .4	- 1.5
Fabricated metal products	8.2	8.3	8.5	.0	- .2
Machinery, except electrical	30.5	30.3	30.9	.1	- .4
Metalworking machinery	6.6	6.6	6.8	.0	- .2
General industrial machinery	2.7	2.7	2.6	.0	.1
Electric and electronic equipment	5.7	5.7	5.8	.0	- .1
Electrical industrial apparatus	3.4	3.4	3.4	.0	- .1
Transportation equipment	20.1	20.4	21.1	- .3	- .9
Nondurable Goods[f]	29.0	29.2	28.7	- .2	.3
Food and kindred products	2.8	2.8	2.7	- .1	.1
Paper and allied products	6.0	6.0	5.6	.0	.4
Printing and publishing	8.6	8.7	8.5	- .1	.1
Rubber and misc. plastics products	8.0	8.0	8.2	.0	- .3
NONMANUFACTURING[g]	324.1	332.7	315.3	- 8.7	8.7
CONSTRUCTION	15.1	17.0	14.0	- 1.9	1.2
TRANSPORTATION AND PUBLIC UTILITIES	15.1	15.4	15.0	- .3	.1
Communication, electric, gas services	5.4	5.4	5.7	.0	- .3
WHOLESALE TRADE	18.7	18.9	18.2	- .2	.5
Wholesale trade-durable goods	12.4	12.5	12.0	- .1	.4
RETAIL TRADE	78.7	82.4	76.0	- 3.7	2.7
General merchandise stores	12.5	13.9	12.2	- 1.4	.3
FINANCE, INSURANCE, AND REAL ESTATE	17.7	17.8	17.3	- .1	.4
Banking	4.1	4.2	4.4	- .1	- .2
Credit agencies other than banks	4.8	4.7	4.5	.0	.3
Insurance carriers	2.7	2.8	3.0	.0	- .3
SERVICES	105.0	106.3	100.5	- 1.3	4.5
Business services	25.8	26.4	24.1	- .6	1.7
Health services	35.9	36.2	35.1	- .3	.8
Hospitals	18.5	18.6	18.4	- .1	.1
Educational services	7.8	7.9	7.7	- .1	.1
GOVERNMENT	73.4	74.5	74.0	- 1.1	- .6
Federal government	28.2	28.5	27.6	- .3	.6
State government	7.1	7.3	6.9	- .2	.2
State government education[1]	4.2	4.5	4.1	- .3	.1
State government, except education	3.0	2.9	2.8	.1	.2
Local government	38.1	38.7	39.5	- .6	- 1.4
Local government education	23.6	24.2	25.1	- .5	- 1.5
Local government, except education	14.4	14.6	14.3	- .1	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

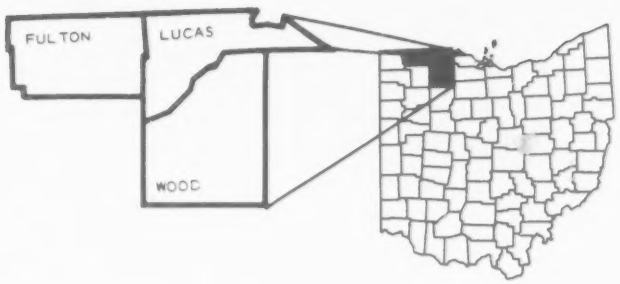
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$505.62	$517.02	$500.22	42.1	42.8	42.0	$12.01	$12.08	$11.91
Durable Goods[e]	509.88	521.30	507.41	42.0	42.8	41.9	12.14	12.18	12.11
Fabricated metal products	404.49	402.69	374.40	43.4	43.3	40.0	9.32	9.30	9.36
Machinery, except electrical	547.41	564.99	544.00	42.6	43.9	42.6	12.85	12.87	12.77
Metalworking machinery	551.44	563.58	516.89	45.2	46.5	43.4	12.20	12.12	11.91
General industrial machinery	437.30	509.81	391.56	41.1	45.6	39.0	10.64	11.18	10.04
Electric and electronic equipment	465.43	460.29	409.26	47.3	47.6	43.4	9.84	9.67	9.43
Electrical industrial apparatus	546.59	527.42	483.57	49.6	49.2	44.9	11.02	10.72	10.77
Transportation equipment	597.63	608.85	601.27	40.6	41.0	41.9	14.72	14.85	14.35
Nondurable Goods[f]	489.20	504.61	477.41	42.1	42.8	42.1	11.62	11.79	11.34
Food and kindred products	343.51	353.18	356.87	40.7	41.6	43.1	8.44	8.49	8.28
Paper and allied products	513.93	525.34	505.04	46.3	47.2	47.2	11.10	11.13	10.70
Printing and publishing	426.66	426.09	412.56	39.0	38.7	38.2	10.94	11.01	10.80
Rubber and misc. plastics products	611.65	634.69	577.74	41.3	42.2	40.6	14.81	15.04	14.23
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	538.00	544.71	514.04	40.0	40.2	39.3	13.45	13.55	13.08
WHOLESALE TRADE	411.20	420.24	396.80	40.0	40.8	40.0	10.28	10.30	9.92
RETAIL TRADE[h]	155.31	162.17	153.14	27.2	28.5	27.2	5.71	5.69	5.63
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	375.18	375.18	361.89	34.9	34.9	34.4	10.75	10.75	10.52

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	2,375	2,812	2,978
Active File of Job Seekers	19,360	18,778	25,114
Referrals to Jobs	853	1,563	1,179
Placements	165	734	200
Job Openings Received	559	1,028	1,000
Job Openings Unfilled	2,041	1,925	1,432
Unemployment Insurance Program			
Initial Claims	4,679	5,318	5,374
Continued Claims	34,438	30,010	37,529
First Payments	2,569	2,033	2,418
Last Payments	394	453	472
Weeks Compensated	27,932	22,919	30,687
Benefits Paid	$3,978,584	$3,202,788	$4,254,846
Average Weekly Payment	$145.59	$142.97	$141.72

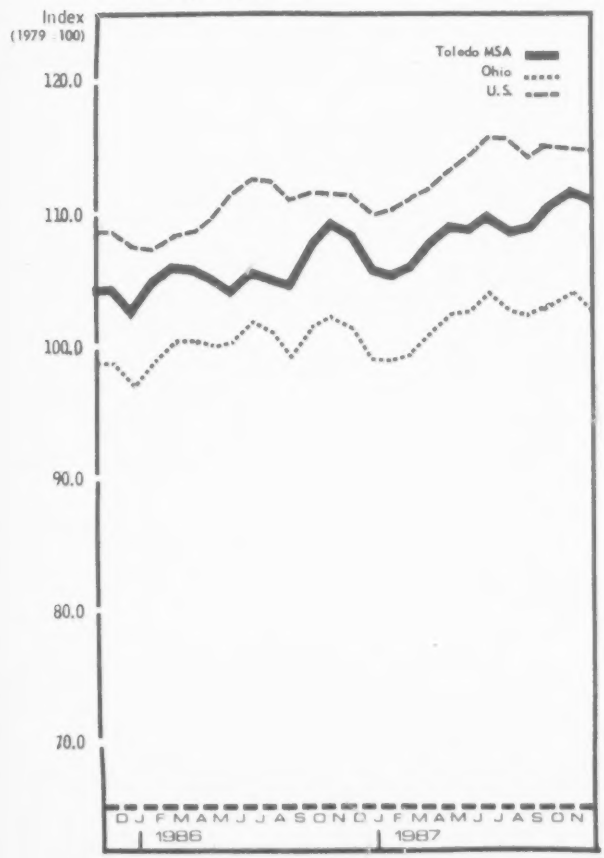
TOLEDO METROPOLITAN STATISTICAL AREA



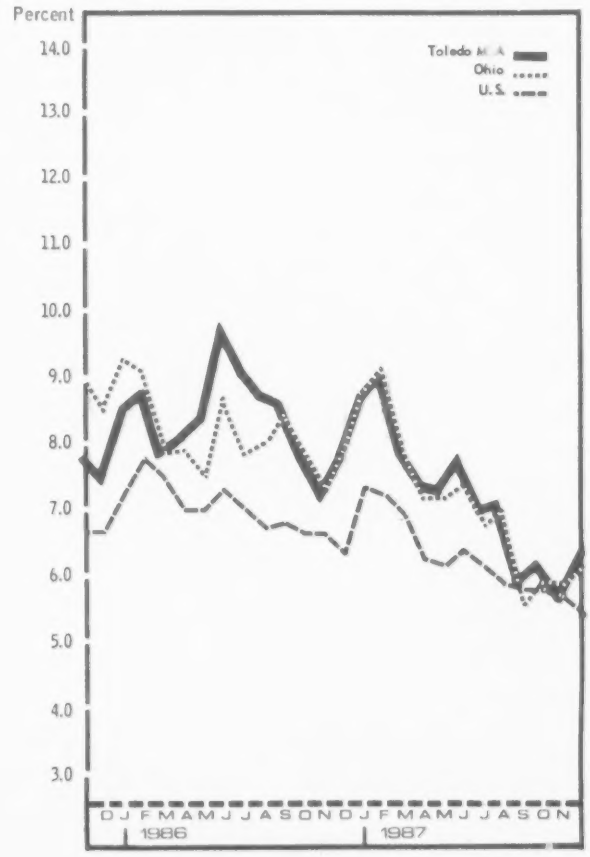
Toledo area nonagricultural wage and salary employment declined 7,500, for a total of 281,100 in January. Nonmanufacturing employment decreased 7,200 over the month with the loss of seasonal jobs in retail trade, services, construction, and state government education. Manufacturing employment, at 62,200, was down slightly from December, due to scattered declines in durable- and nondurable-goods employment. Production workers averaged $13.08 per hour, up $.22 from last month. The average workweek, 44.0 hours, was .7 hours longer.

From January 1987 to January 1988, nonfarm employment rose 9,900. Much of the improvement occurred in nonmanufacturing industries, especially services, retail trade, and construction. Manufacturing employment increased 300 jobs as advances in nondurable goods outweighed losses in durable goods.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

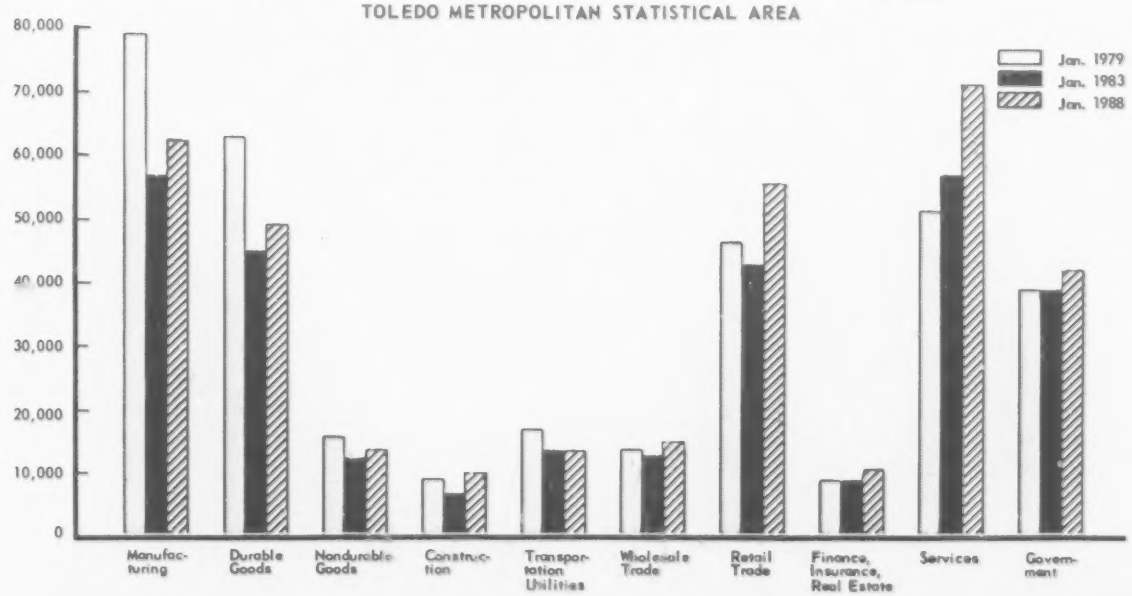


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0*	282.2*	25.9*	8.4*	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1986						
313.7*	289.1*	24.5*	7.8*	December	278.3	61.9	43.7	538.40	42.9	12.55
				1987						
305.5	278.7	26.8	8.8	January	271.2	61.9	43.7	554.63	43.5	12.75
306.1	278.0	28.1	9.2	February	271.5	61.8	43.4	547.78	43.2	12.68
303.4	279.0	24.4	8.0	March	273.4	61.9	43.6	543.56	42.8	12.70
307.9	284.8	23.0	7.5	April	277.4	62.0	43.8	537.21	42.4	12.67
310.3	287.5	22.8	7.3	May	280.2	61.8	43.4	532.55	41.9	12.71
309.9	285.5	24.4	7.9	June	278.5	62.0	43.7	529.19	41.8	12.66
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
INA	INA	INA	INA	January	281.1	62.2	44.6	575.52	44.0	13.08

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	281.1	288.6	271.2	- 7.5	9.9
MANUFACTURING	62.2	62.5	61.9	- .3	.3
Durable Goods[e]	48.0	48.0	48.3	- .1	- .3
Stone, clay, and glass products	8.2	8.1	8.0	.1	.1
Primary metal industries	3.4	3.4	3.6	.0	- .2
Fabricated metal products	7.5	7.5	7.7	.0	- .3
Metal forgings and stampings	3.3	3.3	3.4	.0	- .1
Machinery, except electrical	6.1	6.1	5.9	.1	.2
Electric and electronic equipment	2.4	2.5	2.7	.0	- .3
Transportation equipment	15.6	15.8	16.0	- .1	- .3
Motor vehicles and equipment	14.7	14.8	15.0	- .1	- .3
Nondurable Goods[f]	14.2	14.4	13.6	- .3	.6
Food and kindred products	3.7	3.8	3.5	- .1	.2
Rubber and misc. plastics products	3.0	3.0	2.8	.0	.2
NONMANUFACTURING[g]	218.9	226.1	209.3	- 7.2	9.6
CONSTRUCTION	10.2	11.4	9.0	- 1.2	1.2
TRANSPORTATION AND PUBLIC UTILITIES	13.4	14.0	13.1	- .6	.3
Trucking and warehousing	5.3	5.7	5.1	- .4	.2
Communication, electric, gas services	5.0	5.0	4.9	.0	.0
WHOLESALE TRADE	14.9	14.9	14.2	.0	.7
Wholesale trade-durable goods	9.8	9.8	9.4	.0	.4
RETAIL TRADE	55.5	57.9	52.8	- 2.4	2.7
General merchandise stores	7.6	8.6	8.1	- .9	- .4
FINANCE, INSURANCE, AND REAL ESTATE	11.3	11.5	11.0	- .2	.3
Banking	3.6	3.6	3.5	.0	.1
SERVICES	71.1	72.5	67.2	- 1.5	3.9
Business services	15.0	15.6	13.2	- .6	1.8
Health services	27.1	27.2	26.7	- .1	.4
Hospitals	15.2	15.2	15.0	- .1	.1
GOVERNMENT	42.4	43.6	41.8	- 1.2	.6
State government	15.1	16.2	15.2	- 1.1	- .1
State government education[i]	11.1	12.2	11.2	- 1.1	- .1
State government, except education	4.0	4.0	4.0	.0	.0
Local government	24.6	24.8	23.9	- .2	.8
Local government education	14.3	14.4	13.7	- .1	.6
Local government, except education	10.3	10.4	10.2	- .1	.2

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

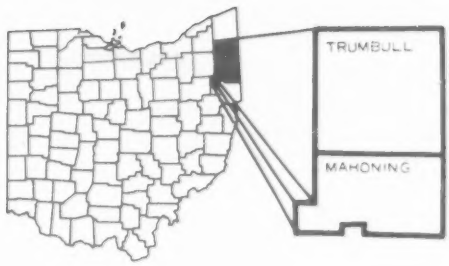
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$575.52	$556.84	$554.63	44.0	43.3	43.5	$13.08	$12.86	$12.75
Durable Goods[e]	601.18	579.39	584.33	44.4	43.4	44.1	13.54	13.35	13.25
Stone, clay, and glass products	509.74	536.34	532.98	40.2	42.0	42.3	12.68	12.77	12.60
Primary metal industries	483.75	491.63	521.21	43.0	43.7	45.6	11.25	11.25	11.43
Fabricated metal products	602.64	579.46	558.30	46.5	45.2	44.7	12.96	12.82	12.49
Metal forgings and stampings	773.76	774.95	680.09	49.6	49.9	47.0	15.60	15.53	14.47
Machinery, except electrical	518.40	545.22	490.45	43.2	44.8	42.5	12.00	12.17	11.54
Electric and electronic equipment	561.92	457.46	548.49	43.9	38.9	43.6	12.80	11.76	12.58
Transportation equipment	738.26	684.56	701.31	45.6	43.0	45.1	16.19	15.92	15.55
Motor vehicles and equipment	744.45	688.86	704.01	45.7	43.0	45.1	16.29	16.02	15.61
Nondurable Goods[f]	481.38	472.86	451.78	42.6	42.6	41.6	11.30	11.10	10.86
Food and kindred products	573.87	526.25	549.05	45.8	43.1	44.1	12.53	12.21	12.45
Rubber and misc. plastics products	348.61	347.77	328.46	41.6	41.5	40.5	8.38	8.38	8.11
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	615.30	622.03	577.62	41.8	42.2	41.2	14.72	14.74	14.02
WHOLESALE TRADE	373.46	367.86	345.58	38.7	38.6	37.4	9.65	9.53	9.24
RETAIL TRADE[h]	160.42	164.87	153.73	28.8	29.6	27.9	5.57	5.57	5.51

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	1,997	2,084	2,446
Active File of Job Seekers	17,188	16,555	23,403
Referrals to Jobs	797	1,094	701
Placements	239	492	113
Job Openings Received	411	425	258
Job Openings Unfilled	611	771	661
Unemployment Insurance Program			
Initial Claims	5,438	5,111	6,442
Continued Claims	28,104	25,589	33,460
First Payments	2,075	1,596	2,356
Last Payments	351	359	455
Weeks Compensated	21,706	17,359	28,480
Benefits Paid	$3,202,359	$2,506,149	$4,173,521
Average Weekly Payment	$150.97	$148.55	$150.08

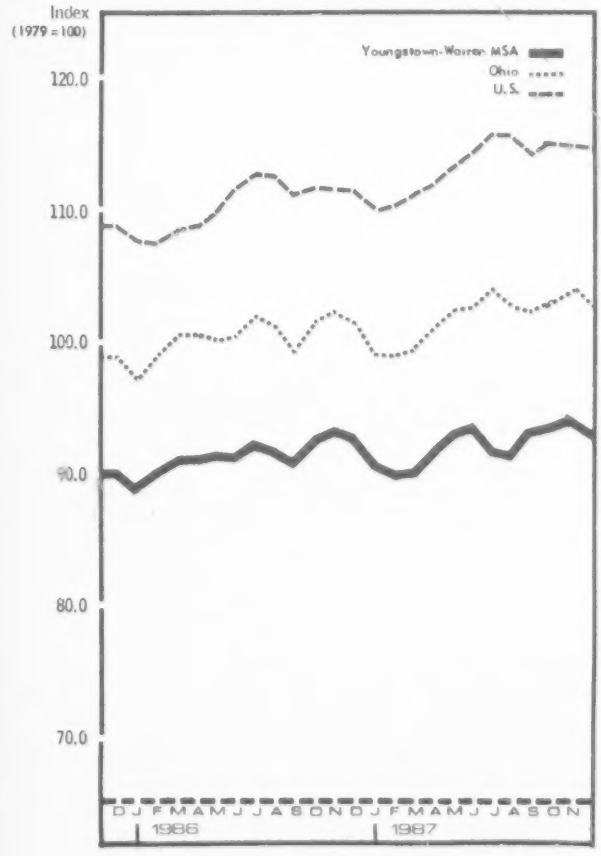
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



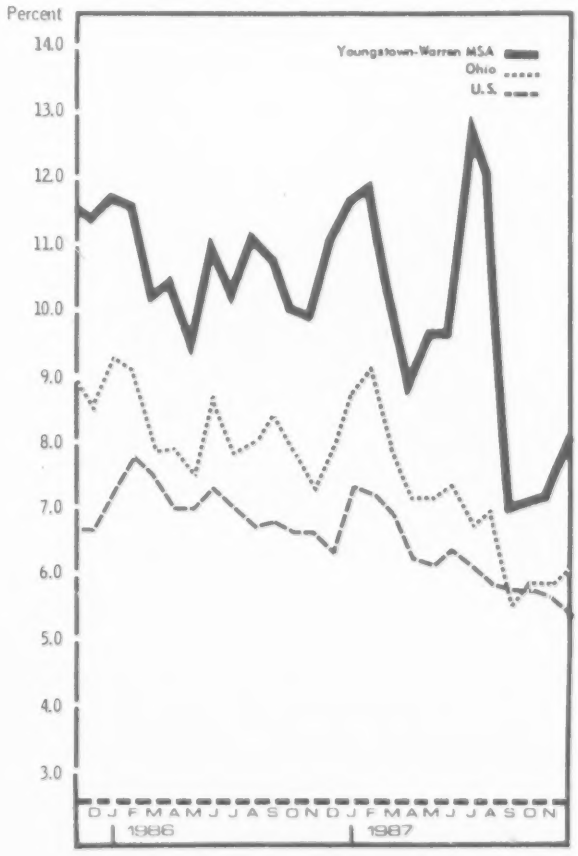
Youngstown-Warren metropolitan area nonagricultural employment, at 187,100 in January, was 4,400 lower than the December 1987 level. Nonmanufacturing industries declined 4,200 due primarily to seasonal reductions in retail trade, construction, and state and local government education. Declines in durable-goods industries lowered manufacturing employment 300 from December, to 49,100. Production workers averaged $13.41 per hour, down slightly from December. They worked .3 hours longer, for an average workweek of 42.0 hours.

Total nonagricultural employment advanced 3,200 since January 1987. The growth occurred in nonmanufacturing industries, especially in retail and wholesale trade and services. Manufacturing employment showed a modest decrease as scattered losses in durable goods, especially transportation equipment, overshadowed gains in nondurable goods.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



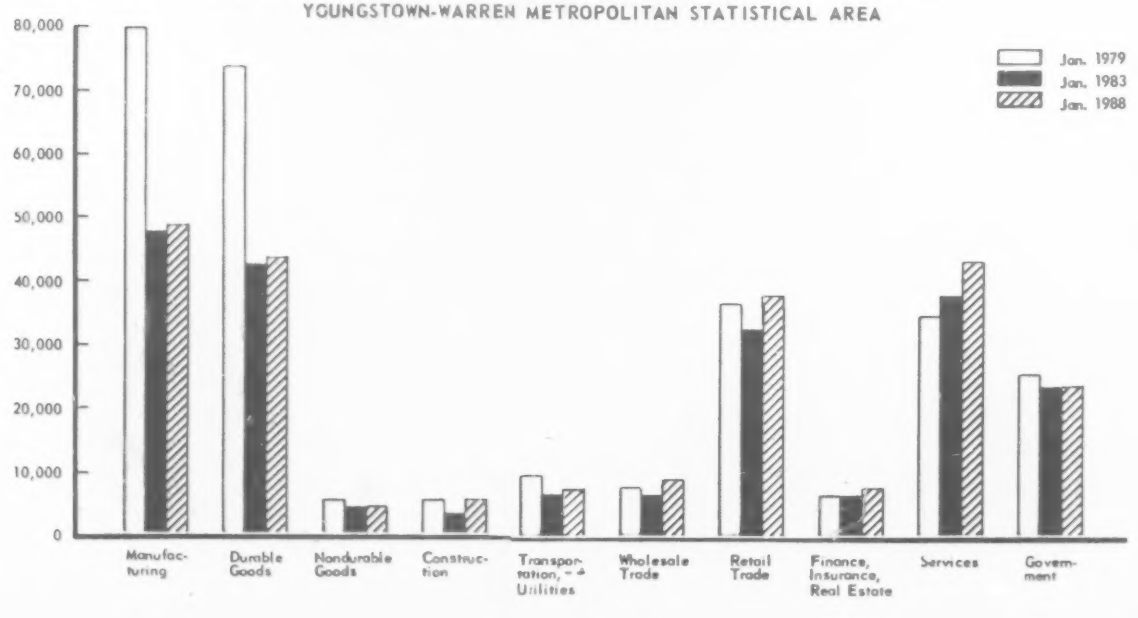
YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9*	201.1*	23.8*	10.6*	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1986						
228.7*	203.6*	25.1*	11.0*	December	188.9	51.0	38.4	579.58	42.9	13.51
				1987						
221.7	195.8	25.9	11.7	January	183.9	49.2	36.9	577.37	42.8	13.49
222.2	195.5	26.8	12.0	February	184.3	49.3	36.9	580.13	43.1	13.46
217.9	195.5	22.4	10.3	March	185.2	49.6	37.2	579.79	43.3	13.39
218.4	199.1	19.3	8.8	April	187.4	49.7	37.4	571.94	43.1	13.27
223.0	201.5	21.5	9.7	May	189.6	49.1	36.8	565.78	42.7	13.25
224.1	202.4	21.7	9.7	June	190.8	49.2	36.9	566.67	42.8	13.24
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
INA	INA	INA	INA	January	187.1	49.1	37.3	563.22	42.0	13.41

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	187.1	191.5	183.9	- 4.4	3.2
MANUFACTURING	49.1	49.4	49.2	- .3	- .1
Durable Goods[e]	43.8	44.3	44.2	- .5	- .4
Primary metal industries	18.0	18.3	18.1	- .3	- .1
Blast furnace and basic steel products	5.6	5.6	5.5	.0	.1
Fabricated metal products	7.5	7.5	7.2	.0	.2
Machinery, except electrical	3.6	3.6	3.7	.0	- .1
Electric and electronic equipment	2.2	2.2	2.4	.0	- .1
Transportation equipment	9.5	9.5	10.0	- .1	- .5
Nondurable Goods[f]	5.3	5.1	5.0	.2	.3
NONMANUFACTURING[g]	138.0	142.1	134.7	- 4.2	3.3
CONSTRUCTION	6.2	7.3	5.5	- 1.1	.6
TRANSPORTATION AND PUBLIC UTILITIES	7.5	7.6	7.5	- .1	.0
Communication, electric, gas services	3.0	3.0	3.0	.0	.0
WHOLESALE TRADE	9.7	9.9	8.9	- .2	.8
Wholesale trade-durable goods	6.1	6.2	5.6	- .1	.5
RETAIL TRADE	38.6	40.1	37.5	- 1.6	1.1
General merchandise stores	5.4	5.8	5.6	- .4	- .2
FINANCE, INSURANCE, AND REAL ESTATE	8.1	8.2	8.1	- .1	.0
Banking	2.8	2.8	2.8	.0	.1
SERVICES	43.4	43.8	42.3	- .4	1.2
Health services	19.5	19.6	19.0	.0	.5
Hospitals	10.1	10.1	10.0	.0	.1
GOVERNMENT	24.0	24.6	24.3	- .6	- .3
State government	4.0	4.4	4.0	- .3	.0
State government education[1]	2.6	2.9	2.5	- .3	.0
State government, except education	1.5	1.5	1.5	.0	.0
Local government	17.8	18.1	18.1	- .3	- .3
Local government education	11.6	11.9	11.8	- .3	- .2
Local government, except education	6.2	6.2	6.3	.0	- .1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$563.22	$560.03	$577.37	42.0	41.7	42.8	$13.41	$13.43	$13.49
Durable Goods[e]	578.24	574.14	594.78	42.3	42.0	43.1	13.67	13.67	13.80
Primary metal industries	615.30	617.19	604.20	42.0	41.9	42.4	14.65	14.73	14.25
Blast furnace and basic steel products	632.50	632.50	631.37	45.9	45.9	44.4	13.78	13.78	14.22
Fabricated metal products	562.53	532.88	587.24	42.2	40.4	42.4	13.33	13.19	13.85
Machinery, except electrical	499.82	479.65	469.04	43.2	41.6	41.0	11.57	11.53	11.44
Electric and electronic equipment	462.26	466.65	414.00	42.1	42.5	38.8	10.98	10.98	10.67
Transportation equipment	634.86	630.38	717.16	43.1	43.0	47.4	14.73	14.66	15.13
Nondurable Goods[f]	399.25	412.51	389.44	38.5	39.1	39.1	10.37	10.55	9.96
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	....	....	.....	.....	.....
Communication, electric, gas services	537.37	550.25	525.63	39.6	40.4	39.7	13.57	13.62	13.24
WHOLESALE TRADE	348.89	353.73	341.05	37.8	38.2	38.8	9.23	9.26	8.79
RETAIL TRADE[h]	172.22	179.10	168.19	28.8	30.1	29.2	5.98	5.95	5.76

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	2,174	1,674	1,967
Active File of Job Seekers	15,946	15,180	28,585
Referrals to Jobs	1,633	1,208	1,033
Placements	419	581	249
Job Openings Received	576	699	364
Job Openings Unfilled	419	426	455
Unemployment Insurance Program			
Initial Claims	5,833	5,632	11,612
Continued Claims	26,119	24,177	41,670
First Payments	2,328	1,819	3,729
Last Payments	334	263	406
Weeks Compensated	22,765	18,691	34,011
Benefits Paid	$3,198,729	$2,603,000	$4,869,509
Average Weekly Payment	$144.01	$143.37	$150.05

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark. Employment data for 1987 will be revised at the next benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	January 1988	December 1987	January 1987
New Applicants	40,602	36,467	48,475
Active File of Job Seekers	278,099	261,242	375,353
Counseling Interviews	1,069	1,235	1,632
Tests Administered	6,835	5,346	3,277
General Aptitude Tests	543	375	299
Proficiency Tests	469	358	575
Specific Aptitude Tests	1,688	1,377	408
Referrals to Jobs	20,091	18,817	19,338
Placements	3,603	5,980	3,772
Job Openings Received	8,399	8,930	9,021
Job Openings Unfilled	16,301	15,534	16,995

Selected Unemployment Insurance Activities

	January 1988	December 1987	January 1987
Initial Claims	87,845	88,767	105,164
Continued Claims	549,700	489,154	665,038
First Payments	44,622	30,107	50,812
Last Payments	6,176	5,944	8,259
Average Weekly Claimants	132,314	95,067	149,896
Average Weekly Benefit Recipients	101,593	75,329	116,003
Weeks Compensated	449,708	359,573	545,308
Benefits Paid	$67,287,861	$53,088,604	$79,962,329
Average Weekly Payment	$153.48	$151.41	$151.19
Continued Claims for Survey Week	135,584	96,366	148,681
Insured Unemployment Rate	3.1	2.2	3.6
Net Contributions	$24,396,020	$6,715,484	$24,010,825
Active Employer Accounts	198,003	197,855	194,291

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 481-5783.

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